JVC

MICRO COMPONENT SYSTEM

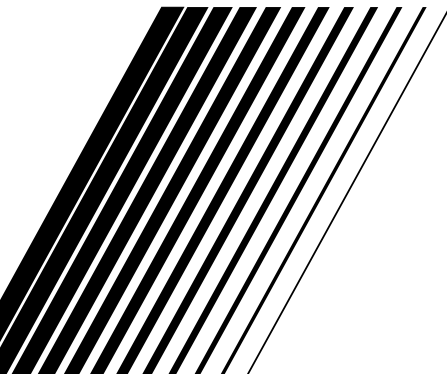# UX-G500V

—Consists of CA-UXG500V and SP-UXG500V

DVD VIDEO™

COMPACT disc SUPER VIDEO

dts 2.0+Digital Out

DOLBY DIGITAL

DivX

DivX ULTRA
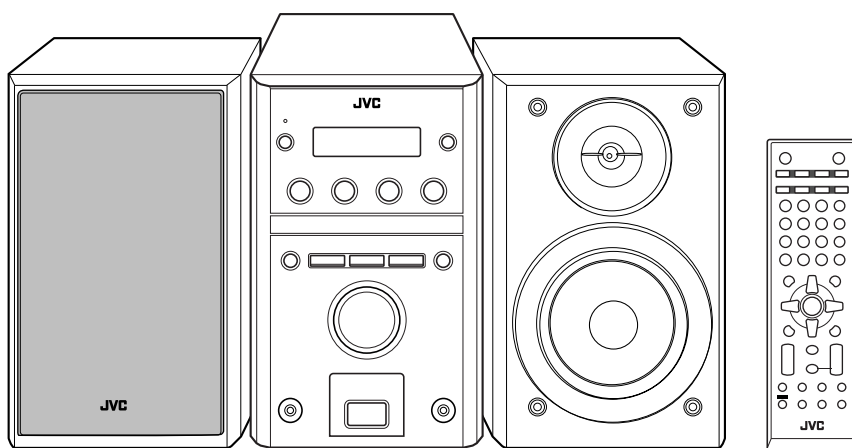
Digital Direct Progressive Scan   **MP3 / WMA / WAV**

USB Music Clipping

INSTRUCTIONS

Warnings, Cautions and Others

CAUTION

The ⏻/I button in any position does not disconnect the mains line.
Disconnect the mains plug to shut the power off completely (the STANDBY lamp goes off).
The MAINS plug or an appliance coupler is used as the disconnect device, the disconnect device shall remain readily operable.
• When the System is on standby, the STANDBY lamp lights red.
• When the System is turned on, the STANDBY lamp goes off.
The power can be remote controlled.

CAUTION

To reduce the risk of electrical shocks, fire, etc.:
1. Do not remove screws, covers or cabinet.
2. Do not expose this appliance to rain or moisture.

IMPORTANT FOR LASER PRODUCTS

1. CLASS 1 LASER PRODUCT
2. **CAUTION:** Do not open the top cover or cabinet. There are no user serviceable parts inside the unit; leave all servicing to qualified service personnel.
3. **CAUTION:** Visible and/or invisible class 1M laser radiation when open. Do not view directly with optical instruments.
4. REPRODUCTION OF LABEL: CAUTION LABEL, PLACED INSIDE THE UNIT.

CAUTION	ATTENTION	AVISO	VARNING	注意	CAUTION
VISIBLE AND / OR INVISIBLE CLASS 1M LASER RADIATION WHEN OPEN. DO NOT VIEW DIRECTLY WITH OPTICAL INSTRUMENTS. IEC60825-1:2001 (ENG)	RAYONNEMENT LASER VISIBLE ET/OU INVISIBLE DE CLASSE 1M UNE FOIS OUVERT. NE PAS REGARDER DIRECTEMENT AVEC DES INSTRUMENTS OPTIQUES. (FRA)	RADIACIÓN LÁSER DE CLASE 1M VISIBLE Y/O INVISIBLE CUANDO ESTÁ ABIERTO. NO MIRAR DIRECTAMENTE CON INSTRUMENTAL ÓPTICO. (ESP)	SYNLIG OCH/ELLER OSYNLIG LASERSTRÅLNING, KLASS 1M, NÄR DENNA DEL ÄR ÖPPNAD. BETRAKTA EJ STRÅLEN MED OPTISKA INSTRUMENT. (SWE)	ここを開くと可視 及び/又は不可視のクラス1M レーザー放射が出ます。光学機器で直接見ないでください。(JPN)	VISIBLE AND / OR INVISIBLE CLASS II LASER RADIATION WHEN OPEN. DO NOT STARE INTO BEAM. FDA 21 CFR (ENG) LV44609-003A

CAUTION

• Do not block the ventilation openings or holes.
(If the ventilation openings or holes are blocked by a newspaper or cloth, etc., the heat may not be able to get out.)
• Do not place any naked flame sources, such as lighted candles, on the apparatus.
• When discarding batteries, environmental problems must be considered and local rules or laws governing the disposal of these batteries must be followed strictly.
• Do not expose this apparatus to rain, moisture, dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on the apparatus.
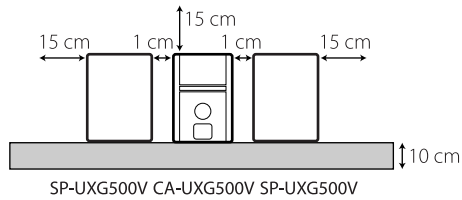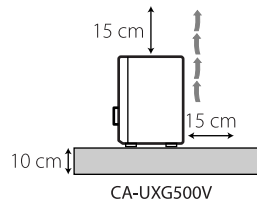
CAUTION

Excessive sound pressure from earphones or headphones can cause hearing loss.

Caution: Proper Ventilation

To avoid risk of electric shock and fire, and to prevent damage, locate the apparatus as follows:
1. Front: No obstructions and open spacing.
2. Sides/Top/ Back: No obstructions should be placed in the areas shown by the dimensions below.
3. Bottom: Place on the level surface. Maintain an adequate air path for ventilation by placing on a stand with a height of 10 cm or more.

Front view

15 cm
15 cm 1 cm 1 cm 15 cm
10 cm

SP-UXG500V CA-UXG500V SP-UXG500V

Side view

15 cm
15 cm
10 cm

CA-UXG500V

[European Union only]

Introduction

Thank you for purchasing a JVC product. Please read all instructions carefully before operation, to ensure your complete understanding and to obtain the best possible performance from the System.

Precautions

Installation

- Install the System in a location with adequate ventilation to prevent internal heat build-up in the System.

> ⚠️ **STOP!** DO NOT install the System in a location near heat sources, or in a place subject to direct sunlight, excessive dust or vibration.

- Install in a place which is level, dry and neither too hot nor too cold—between 5°C and 35°C.
- Leave sufficient distance between the System and the TV.
- Keep the speakers away from the TV to avoid interference with the TV.

Power sources

- When unplugging the System from the wall outlet, always pull on the plug, not the power cord.

> ⚠️ **STOP!** DO NOT handle the power cord with wet hands.

Moisture condensation

Moisture may condense on the lens inside the System in the following cases:
- After starting to heat the room
- In a damp room
- If the System is brought directly from a cold to a warm place.

Should this occur, the System may malfunction. In this case, leave the System turned on for a few hours until the moisture evaporates, unplug the power cord, then plug it in again.

Internal heat

- Make sure there is good ventilation around the System. Poor ventilation could overheat and damage the System.

> ⚠️ **STOP!** DO NOT block the ventilation openings or holes. If they are blocked by a newspaper or cloth, etc., the heat may not be able to get out.

Others

Should any metallic object or liquid fall into the System, unplug the power cord and consult your dealer before operating any further.

> ⚠️ **STOP!** DO NOT disassemble the System since there are no user serviceable parts inside.

- If you are not going to operate the System for an extended period of time, unplug the power cord from the wall outlet.

If anything goes wrong, unplug the power cord and consult your dealer.

How to Read This Manual

- Button and control operations are explained in the table below.
- **Some related tips and notes are explained later in the sections "Learning More about This System" and "Troubleshooting," but not in the same section explaining the operations (INFO indicates that the content has some information).**

	Indicates that you press the button **briefly**.
	Indicates that you press the button **briefly and repeatedly** until the option you want is selected.
	Indicates that you press one of the buttons.
2 sec.	Indicates that you **press and hold** the button for a specified period.
	Indicates that you turn the control in the specified direction(s).

Remote ONLY	Indicates that this operation is only possible using the remote control.
Main Unit ONLY	Indicates that this operation is only possible using the main unit.

> **How to cancel the demonstration**
> Press and hold DEMO button on the main unit (until "DEMO CLR" appears on the display) while on standby.
> - Refer to the attached sheet "Information about the demonstration function."

Contents

Playable Disc/File Types

DVD VIDEO	DVD VIDEO	DivX	DivX ULTRA

MP3/WMA/WAV

COMPACT DISC DIGITAL VIDEO	Video CD	COMPACT DISC SUPER VIDEO	SUPER VIDEO CD	COMPACT DISC DIGITAL AUDIO

- CD-R/-RW: Recorded in the Audio CD, Video CD, and SVCD formats. MP3, WMA, WAV, JPEG, MPEG-1, MPEG-2 and DivX files written in accordance with the "ISO 9660" format can also be played.
- DVD-R/-RW, +R/+RW: Recorded in the DVD Video format. MP3, WMA, WAV, JPEG, MPEG-1, MPEG-2 and DivX files written in the UDF-Bridge format can also be played.
- DVD-R/-RW: Recorded in the DVD Video Recording (VR) format.
- USB mass storage class device: MP3, WMA, WAV, JPEG, MPEG-1, MPEG-2 and DivX* files.

In addition to the above discs/files, this System can play back audio data recorded on CD-Extra and CD-G (CD-Graphics).

- The following discs cannot be played back:
  DVD-RAM, CD-I (CD-I Ready), CD-ROM, and Photo CD.
  Playing back these discs will generate noise and damage the speakers.
- CD Text and DVD Text can be played, but Text information will not be shown on the display.
- In this manual, "file" and "track" are used interchangeably.
- It is possible to play back finalized +R/+RW (DVD Video format only) discs. DVD indicator lights on the front display panel when a +R/+RW disc is loaded.
- "DVD Logo" is a trademark of DVD Format/Logo Licensing Corporation.
- This System can play back EVERIO files (see page 41) recorded on DVD, CD*, and USB mass storage class device*.
- * *Only when the maximum bit rate is less than 2 Mbps.*

About color system

This System accommodates both NTSC and PAL system and can play back discs/files recorded in either system. To change the color system, see page 16.

Note on Region Code

DVD players and DVDs have their own Region Code numbers. This System can play back only DVDs with an appropriate Region Code number.
- For details, see "Specifications" on page 45.
- "RG ERROR" appears if DVD with other Region Code is loaded.

Ex.: For Southeast Asia and Hong Kong region

ALL	3	1 3	1 2 3 4

Caution for DualDisc playback

The Non-DVD side of a "DualDisc" does not comply with the "Compact Disc Digital Audio" standard. Therefore, the use of the Non-DVD side of a DualDisc in this product may not be recommended.

IMPORTANT: Before playing a disc/file, make sure of the following...
- Turn on the TV and select an appropriate input mode on the TV to view the pictures or on-screen displays.
- For disc/file playback, you can change the initial setting to your preference. See "Setup Menu Operations" on page 36.

If " ⃠ " appears on the TV screen when you press a button, the disc/file cannot perform the operation you have tried to do.

- When playing a multi-channel encoded software, the System properly converts the multi-channel signals into 2 channels, and emits the downmixed sound from the speakers. To enjoy the powerful sound of these multi-channel encoded software, connect a proper decoder or an amplifier with a proper built-in decoder to the OPTICAL DIGITAL OUT terminal on the rear.

Connections INFO

Do not connect the power cord until all other connections have been made.

- Connect VIDEO OUT directly to the video input of your TV. Connecting VIDEO OUT to a TV via a VCR may interfere with your viewing when playing back copy-protected discs/files. Connecting VIDEO OUT to an integrated TV/VCR system may also interfere with your viewing.

Supplied accessories

Check to be sure that you have all the following items.
- FM antenna (×1)
- AM loop antenna (×1)
- Composite video cord (×1)
- Remote control, RM-SUXG500VU (×1)
- Batteries (×2)
- AC plug adapter (×1)—not supplied for Australia, Thailand, Hong Kong region and the Middle East.

If any items are missing, consult your dealer immediately.

Rear panel
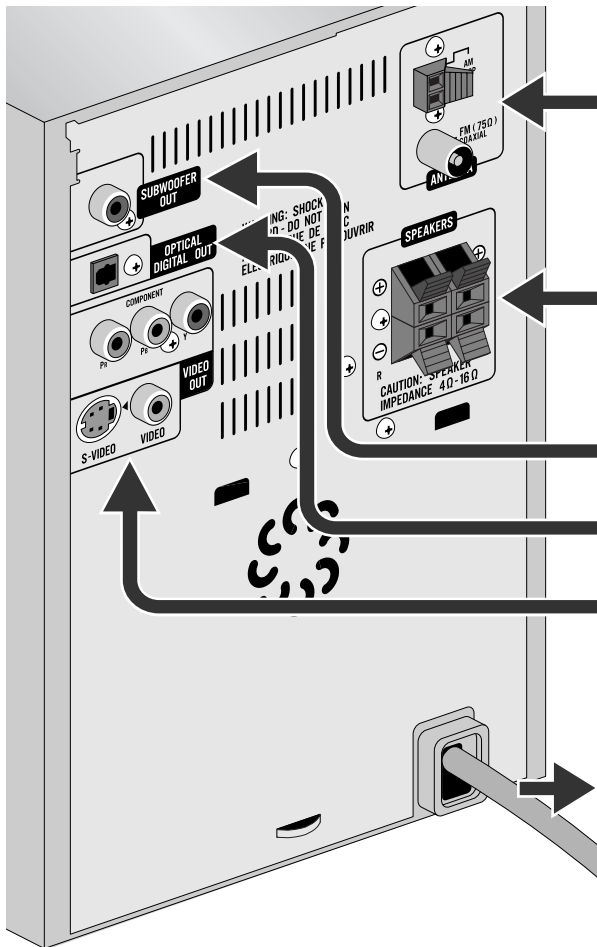
❶ **From AM/FM antenna**
See page 5.

❷ **From the speakers**
See page 5.

❸ **From the powered subwoofer**
See page 6.

❹ **From the digital input of digital audio component**
See page 5.

❺ **From the input of TV/monitor**
See page 6.

❻ **To a wall outlet**
Plug in the power cord only after all connections have been completed.
- If the wall outlet does not match the AC plug, use the supplied AC plug adapter (not supplied for Australia, Thailand, Hong Kong region and the Middle East).

Front panel
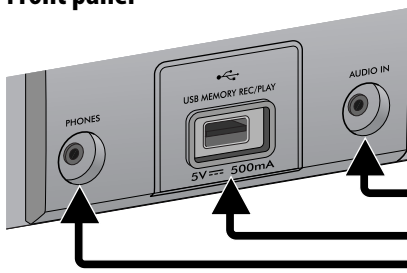
From the digital audio player
See page 6.

From the USB mass storage class device
See page 6.

From the headphones

4

❶ AM/FM antenna

To assemble the AM loop antenna

To connect AM/FM antenna

AM loop antenna (supplied)
Turn it until the best reception is obtained.

If the cords are covered with vinyl, remove the vinyl to expose the tip of the cord by twisting the vinyl.
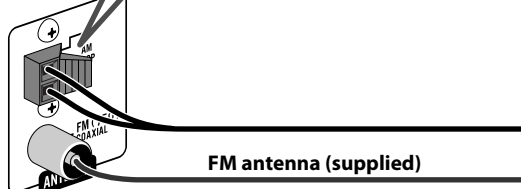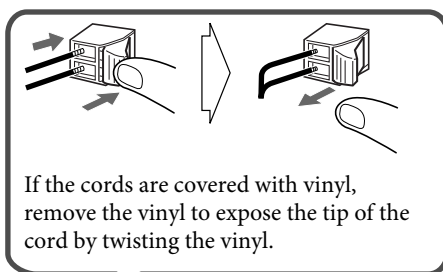
FM antenna (supplied)
Extend it so that you can obtain the best reception.

For better FM reception

FM outdoor antenna (not supplied)
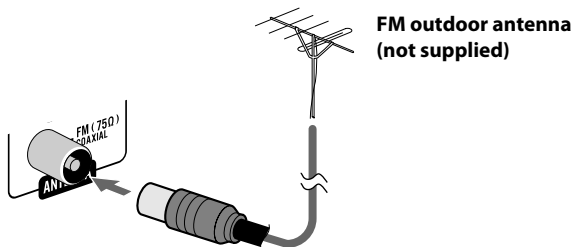
Disconnect the supplied FM antenna, and connect to an outdoor FM antenna using a 75 Ω wire with coaxial type connector.

❷ Speakers

- When connecting the speaker cords, match the polarity of the speaker terminals: red to (+) and black to (−)

Press and hold

Insert

Release

SPEAKERS

Red

Black

From right speaker

From left speaker

CAUTION: SPEAKER IMPEDANCE 4Ω-16Ω
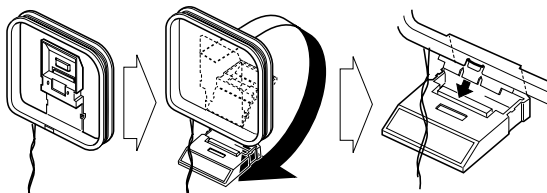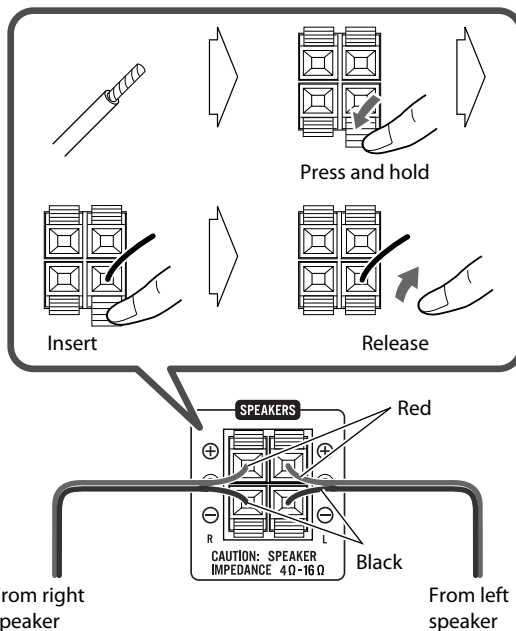
STOP!
- DO NOT connect more than one speaker to each terminal.
- DO NOT push or pull the speakers as this will damage the foot spacers at the bottom of the speakers.

❸ Digital audio component

Protective cap

OPTICAL DIGITAL OUT

Optical digital cord (not supplied)
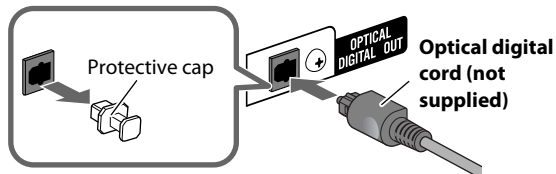
- Set "DIGITAL AUDIO OUTPUT" in the "AUDIO" menu correctly according to the connected digital audio equipment (see page 37).
- The digital signal through the OPTICAL DIGITAL OUT terminal is transmitted only when "DVD/CD" is selected as the source.

❹ To connect the powered subwoofer

From the powered subwoofer
(not supplied)
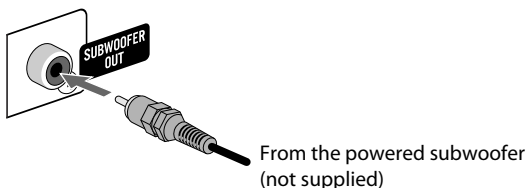
The connected subwoofer can reproduce the bass sounds recorded in front left and right channels, but cannot reproduce the LFE signals encoded in multi-channel software.

• Before plugging the System to the power supply, make sure that the powered subwoofer is turned off.

❺ TV/monitor

Connect the COMPONENT jacks, S-VIDEO jack, or VIDEO jack; whichever you want to use.

• You can get better picture quality in the order of—Composite video ⇨ S-Video ⇨ Component video.

Green

Red

Blue

Component video cord (not supplied)
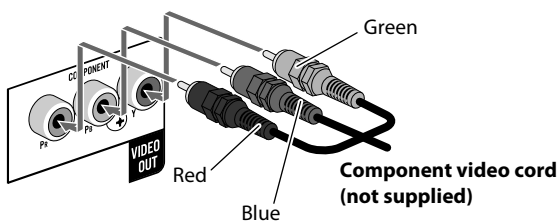
• This connection allows you to use the progressive scanning mode. To select progressive (PROGRESS) scanning mode (see page 16), use VIDEO OUT (COMPONENT) jacks.

Composite video cord (supplied)

S-Video cord (not supplied)

• After connecting a TV, select the appropriate video signal output according to the connection method. See "Changing the Color System and Scanning Mode" on page 16.

When connecting a USB mass storage class device

On the front panel

USB cable (not supplied)
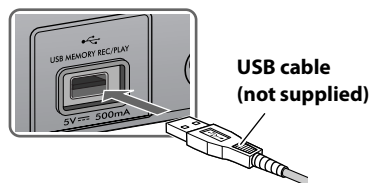
• When connecting with a USB cable, use the USB 2.0 cable whose length is less than 1 m.
• You can connect a USB mass storage class device such as a USB flash memory device, hard disk drive, multimedia card reader, etc. to this System.
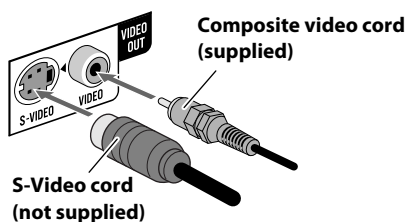• You cannot connect a computer to the USB memory terminal (●⟲) of the System.
• You cannot connect JVC Everio camcorder to the USB memory terminal (●⟲) of the System.
• Noise and static electricity may stop the USB mass storage class device sound. In this case, disconnect and connect the USB mass storage class device again after turning off the System.

When connecting a digital audio player

On the front panel

Stereo mini plug (not supplied)

From audio output (or headphone out, etc.)
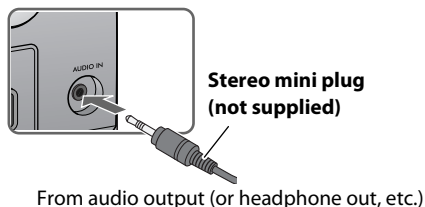
Preparing the remote control

Insert the battery into the remote control by matching the polarity (+ and –) correctly.

R03/LR03/AAA
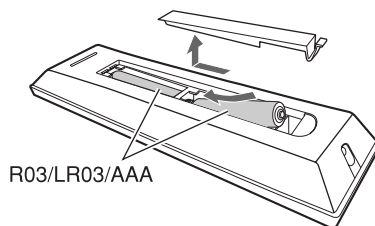
If the range or effectiveness of the remote control decreases, replace both batteries.

Caution
Battery shall not be exposed to excessive heat such as sunshine, fire, or the like.

When using the remote control
Point the top of the remote control towards the remote sensor as directly as possible. If you operate it from a diagonal position, the operating range (approx. 5 m) may be shorter.

Display Indicators

The indications on the display tell you a lot of things while you are operating the System.
Before operating the System, be familiar with when and how the indicators illuminate on the display.
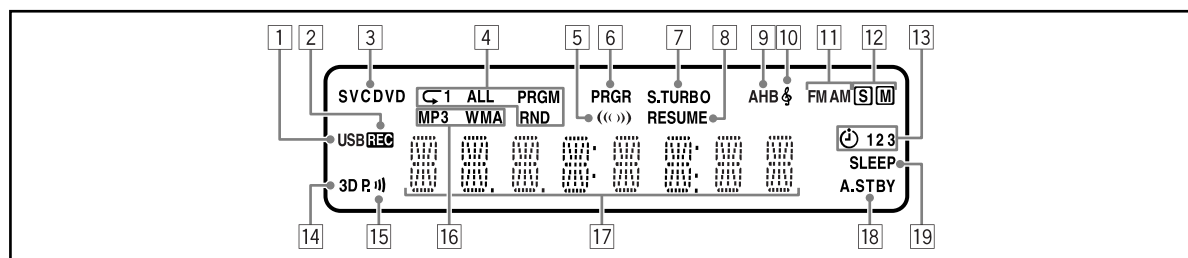
1 USB indicator
- Lights when "USB MEM" is selected as the source.

2 REC (recording) indicator
- Lights when recording started.

3 Disc format indicators
- SVCD: lights when playing back an SVCD.
- VCD: lights when playing back a VCD.
- CD: lights when playing back a CD.
- DVD: lights when playing back a DVD.

4 Playback mode indicators
- Repeat Mode indicators:
  - ↻1 : lights when One Track/File/Chapter/Step Repeat is activated.
  - ↻ : lights when One Group/Title/Original Program/ Play List Repeat is activated.
  - ↻ALL : lights when All Track/File/Title/Original Program Repeat is activated.
- RND: lights when Random Play is activated.
- PRGM: lights when Program Play is activated.

5 ((( ))) (EALA surround mode) indicator
- Lights when EALA surround sound is activated.

6 PRGR (progressive) indicator
- Lights when the progressive scanning mode is selected.

7 S.TURBO (Sound Turbo) indicator
- Lights when Sound Turbo II is activated.

8 RESUME indicator
- Lights when the System memorizes the position where the playback is interrupted.

9 AHB indicator
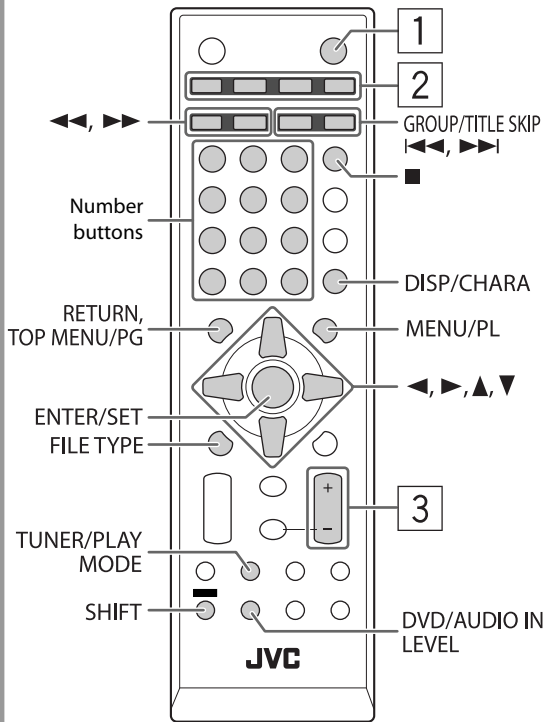- Lights when AHB Pro (Active Hyper Bass Pro) is activated.

10 ♪ (My Sound) indicator
- Lights when MY SOUND is activated.

11 Radio band indicators
- AM: lights when tuning in to an AM station.
- FM: lights when tuning in to an FM station.

12 FM reception indicators
- S (stereo): lights while an FM stereo station with sufficient signal strength is tuned in.
- M (monaural): lights while receiving an FM stereo station in monaural.

13 Daily Timer indicators
- ⏲ : lights when Daily Timer is on standby or is being set; flashes while it is working.
- 1/2/3: lights when a Daily Timer (1, 2, or 3) is on standby or is working; flashes while being set.

14 3D P. (3D Phonic) indicator
- Lights when 3D Phonic is activated.

15) (Clear Voice) indicator
- Lights when Clear Voice is activated.

16 Audio format indicators
- MP3: lights when an MP3 file is detected.
- WMA: lights when a WMA file is detected.

17 Main display
- While listening to the radio: band (or preset number) and station frequency appear.
- While "AUDIO IN" is selected as the source: "AUDIO IN" appears.
- While playing a disc or file: current status appears.

18 A.STBY (Auto Standby) indicator
- Lights when Auto Standby is activated.
- Flashes when playback stops with Auto Standby activated.

19 SLEEP indicator
- Lights when the Sleep Timer is activated.

Daily Operations—Playback

In this manual, operations using the remote control are mainly explained; however, you can use the buttons and controls on the main unit if they have the same (or similar) name and marks.

Remote control

- **1**
- **2**
- ◀◀, ▶▶
- GROUP/TITLE SKIP
- �i◀◀, ▶▶i
- ■
- Number buttons
- DISP/CHARA
- RETURN, TOP MENU/PG
- MENU/PL
- ENTER/SET
- FILE TYPE
- ◀, ▶, ▲, ▼
- TUNER/PLAY MODE
- **3**
- SHIFT
- DVD/AUDIO IN LEVEL
- JVC

| 1 | AUDIO /TV ⏻/l |

| 2 | DVD/CD ▶/ll USB ▶/ll TUNER AUDIO IN |

| 3 | AUDIO /TV + VOL − VOLUME 20 |

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1 **Turn on the power.**
The STANDBY lamp on the main unit turns off.
- Instead of pressing ⏻/l AUDIO/TV, the System is turned on by pressing one of the source buttons.

2 **Select the source.**
- Playback automatically starts if the selected source is ready.
- You can change the display information by pressing DISP/CHARA. For details, see page 17.

3 **Adjust the volume.**

To turn off (standby) the System

AUDIO /TV ⏻/l

The STANDBY lamp on the main unit lights in red.
- A small amount of power is always consumed even while on standby.

For private listening
Connect a pair of headphones to the PHONES jack on the main unit. The sound will no longer come out of the speakers. "H-PHONE" appears on the display for a while. **Be sure to turn down the volume before connecting or putting on the headphones.**
- Disconnecting the headphones will activate the speakers again.

DO NOT turn off (standby) the System with the volume set at an extremely high level; otherwise, the sudden blast of sound may damage your hearing, speakers and/or headphones when you turn on the System or start playback.

8

| MARK	ABC	DEF
(1)	(2)	(3)
GHI	JKL	MNO
(4)	(5)	(6)
PQRS	TUV	WXYZ
(7)	(8)	(9)
ZOOM	VFP	TITLE/DEL
(10)	(0)	(≧10)

Examples:
To select number 5, press 5.
To select number 10, press 10.
To select number 15, press ≥ 10, 1, then 5.
To select number 30, press ≥ 10, 3, then 0.
To select number 125, press ≥ 10, ≥ 10, 1, 2, then 5.

Listening to the Radio INFO

■ To select the AM tuner interval spacing
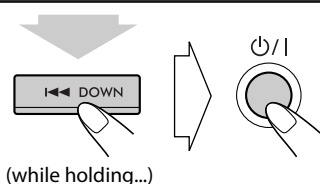
Main Unit ONLY

Some countries space AM stations 9 kHz apart, and other countries use 10 kHz spacing. Before operating the tuner, select the appropriate AM tuner interval spacing used for your area.

1 Select "TUNER AM," then turn off (standby) the System.

FM/AM → TUNER FM → TUNER AM ↲
TUNER   ⏻/∣
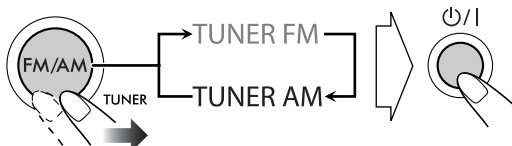
2 Select the AM tuner interval spacing.

To select 9 kHz:

I◄◄ DOWN   ⏻/∣

(while holding...)

To select 10 kHz:

UP ►►I   ⏻/∣

(while holding...)
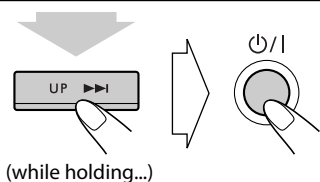
■ To select the band (FM or AM)

TUNER → TUNER FM → TUNER AM ↲
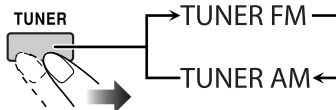
■ To tune in to a station

While FM or AM is selected...

2 sec.
GROUP / TITLE SKIP
I◄◄   ►►I
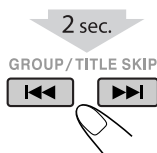
Frequency starts changing on the display.
When a station (frequency) with sufficient signal strength is tuned in, the frequency stops changing.
• When you repeatedly press the button, the frequency changes step by step.

To manually stop the search, press either button.

If the FM reception is poor *Remote ONLY*

TUNER/PLAY
MODE

The M (monaural) indicator lights on the display.
Reception will improve though stereo effect is lost—Monaural reception.
To restore the stereo effect, press the button again. The M (monaural) indicator disappears.

■ To preset the stations *Remote ONLY*

You can preset 30 FM and 15 AM stations.

1 Tune in to a station you want to preset.
• You can also store the monaural reception mode for FM preset stations if it is selected.

2 Activate the preset number entry mode.

ENTER/
SET

SET

• Finish the following process while the indication on the display is flashing.

3 Select a preset number for the station you store.

- To select a number, see "How to select a number" on page 9.
- You can also use the ▶▶ or ◀◀ button.

4 Store the station.

ENTER/
SET

STORED

■ To tune in to a preset station

Remote ONLY »)

1 Select the band (FM or AM).

TUNER

→ TUNER FM →
← TUNER AM ←
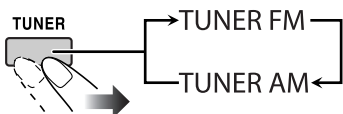
2 Select the preset number for the station you stored.

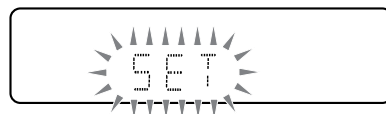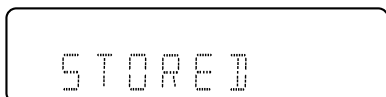- To select a number, see "How to select a number" on page 9.
- You can also use the ▶▶ or ◀◀ button.

Playing Back a Disc/USB Mass Storage Class Device INFO

To insert a disc

Main Unit ONLY
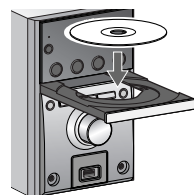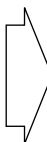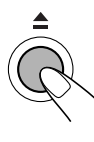
- When using an 8 cm disc, place it on the inner circle of the disc tray.

To close the disc tray, press ▲ again.
- If you press DVD/CD ▶/Ⅱ, disc tray closes automatically and playback starts (depending on how the disc is programmed internally).

To connect a USB mass storage class device
- For connecting a USB mass storage class device, see page 6.
- Always set volume level to the minimum level when connecting or disconnecting a USB mass storage class device.
- To disconnect a USB mass storage class device safely, turn off the System before disconnecting it.

■ To play back a disc/USB mass storage class device

To start:	
Disc	USB mass storage class device
DVD/CD ▶/Ⅱ	USB ▶/Ⅱ
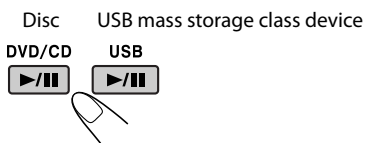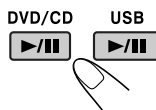
To pause:	To stop:
DVD/CD ▶/Ⅱ USB ▶/Ⅱ	SCAN MODE ■
To release, press the same button again.	

10
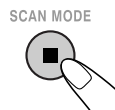
If different types of playable files (audio/still picture/moving picture) are recorded

- Select a file type to play (see the following and "FILE TYPE" in "PICTURE" menu on page 37).
- You can use the control screen appears on the TV. (For still/moving picture files, it appears while playback is stopped.) For details, see page 32.
- The System can store the stop point, and when you start playback again by pressing DVD/CD ▶/‖ or USB ▶/‖ (even while on standby), it starts from the position where you have stopped—Resume Play. (RESUME indicator lights on the display when you stop playback.)
  To stop completely while Resume is activated, press ■ twice. (To deactivate Resume, see "RESUME" in "OTHERS" menu on page 37.)

On-screen guide icons

- During playback, the following icons may appear on the TV:

᎓ᑙ	At the beginning of a scene containing multi-angle views.
⏵⏴	At the beginning of a scene containing multi-audio sounds.
[....]	At the beginning of a scene containing multi-subtitles.

- The following icons will also be shown on the TV to indicate your current operation.
  ▶, ‖, ▶▶, ◀◀, ▶, ◀
- To deactivate the on-screen guide icon, see "ON SCREEN GUIDE" in "OTHERS" menu on page 37.

■ **To select the file type**

(while holding...)
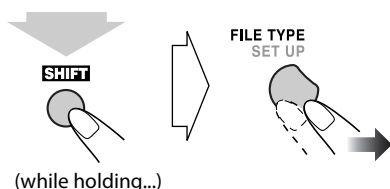
■ **To select a title/group** *Remote ONLY* »

- Not applicable for DVD-VR.
While playing...

(while holding...)
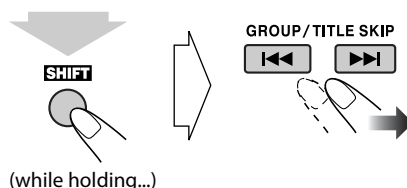
■ **To select a chapter/track/file**

- For VCD/SVCD, cancel PBC (see page 12).

While playing...

- When you press ◀◀ for the first time, you will go back to the beginning of the current chapter/track/file.

■ **To locate a particular portion** *Remote ONLY* »

- This does not function for JPEG files.

While playing...

⊖ SLOW ⊕

▶▶ x2 → ▶▶ x5 → ▶▶x10 → ▶▶x20 → ▶▶x60

◀◀ x2 → ◀◀ x5 → ◀◀x10 → ◀◀x20 → ◀◀x60
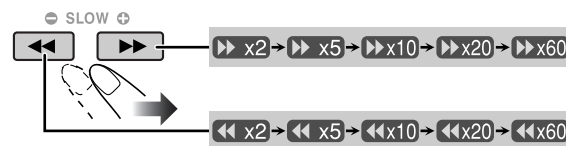
- For MP3/WMA/WAV/MPEG-1/MPEG-2/DivX files, the search speed and indications on the TV are different from those above.
- No sound comes out if searching is carried out while showing the moving picture.

To return to normal playback, press DVD/CD ▶/‖ or USB ▶/‖ (depending on the current source).

For DivX/MPEG-1/MPEG-2 files, each time you press the ▶ or ◀ button, you can skip to a scene by 30 seconds or 5 minutes depending on the files.
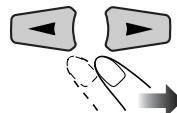
■ To locate an item directly `Remote ONLY »)`

You can select a title/chapter/track/file directly and start playback.

- For DVD Video, you can select **a title before starting playback**, while you can select **a chapter after starting playback**.

- To select a number, see "How to select a number" on page 9.

■ To play back using the disc menu `Remote ONLY »)`

For DVD Video:

1 Show the disc menu.

RETURN
TOP MENU/PG

CANCEL
MENU/PL
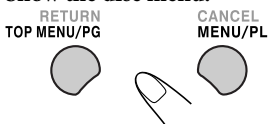
2 Select an item on the disc menu.
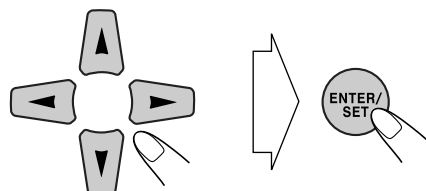
ENTER/
SET

- For some discs, you can also select items by entering the number using the number buttons.

For SVCD/VCD with PBC:

While playing a disc with PBC, "PBC" appears on the display.
When disc menu appears on the TV, select an item on the menu. Playback of the selected item starts.

- To select a number, see "How to select a number" on page 9.

To move to the next or previous page of the current menu:

GROUP/TITLE SKIP

Moves to the next page.
Moves to the previous page.
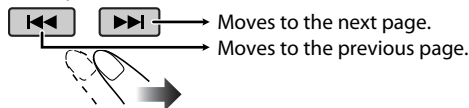
To return to the previous menu:

SHIFT

RETURN
TOP MENU/PG

(while holding...)
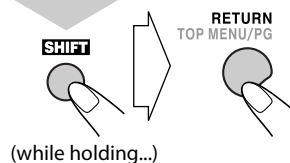
To cancel PBC, press ■, then select a track by using the number buttons (see page 9). Playback starts with the selected track.
To reactivate PBC, press ■ (twice if RESUME is turned on), then press DVD/CD ▶/Ⅱ.

Playing Back a Digital Audio Player

- For connecting a digital audio player, see page 6.

You can listen to the digital audio player connected to the AUDIO IN jack.

- Make sure to turn down the volume on the System to minimum level before starting playback.

AUDIO IN

To adjust the audio input level `Remote ONLY »)`

If the sound from the device connected to the AUDIO IN jack is too loud or too quiet, you can preset the audio input level through the AUDIO IN jack (without changing the volume level).

While "AUDIO IN" is selected as the source...

SHIFT

DVD/**AUDIO IN LEVEL**

(while holding...)

IN_LVL1 → IN_LVL2 → IN_LVL3 →
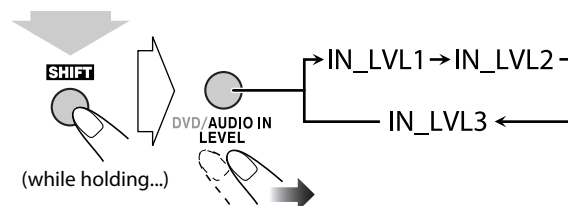
- As the number of the level increases, the preset input level is increased.

Daily Operations—Sound & Other Adjustments

Remote control

- ECO/DIMMER
- DVD/CD ►/❚❚
- USB ►/❚❚
- VFP
- ENTER/SET
- FADE MUTING
- BASS/TREBLE
- AHB PRO, S.TURBO II
- SHIFT
- SLEEP/A.STBY, DVD/AUDIO IN LEVEL
- SCAN MODE
- DISP
- CANCEL
- ◄, ►, ▲, ▼
- AUDIO VOL +, −
- MY SOUND
- (((●))), 3D P
- CLOCK/TIMER, C.VOICE

Main unit

- SOUND TURBO II
- VOLUME +, −
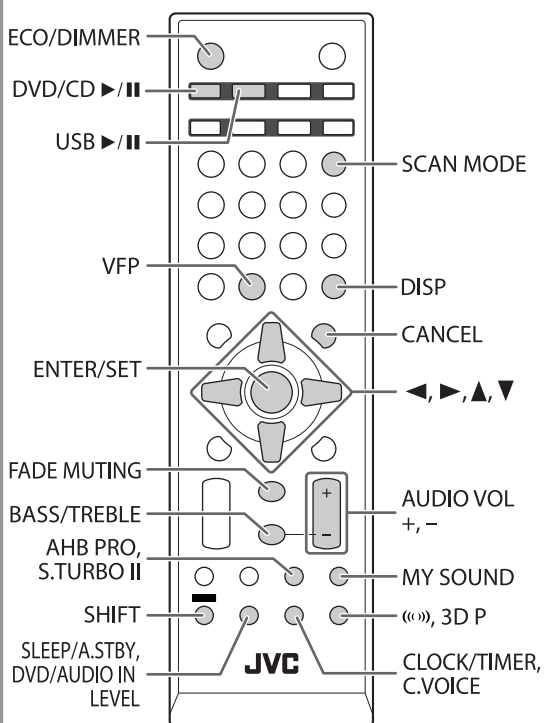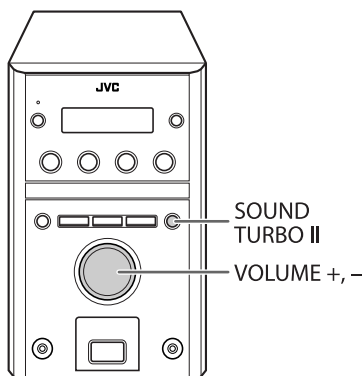
Adjusting the Volume

You can adjust the volume level from "VOL MIN" (level 0) to "VOL MAX" (level 40).

Remote control:	Main unit:

To drop the volume in a moment [Remote ONLY]))

FADE MUTING

To restore the volume, press again, or adjust the volume level.

Adjusting the Sound [INFO]

■ To activate EALA surround mode

$$\text{SURR 1} \rightarrow \text{SURR 2} \rightarrow \text{SURR 3} \rightarrow \text{SURR OFF (Canceled)}$$
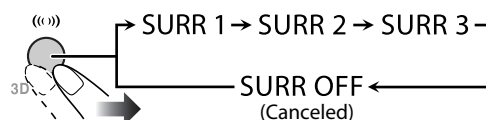
As the number of the surround mode increases, the surround effect becomes stronger.

■ To reinforce the heavy sound

This boosts the low and high frequency sound—Sound Turbo II.

$$\text{TURBO ON} \rightarrow \text{TURBO OFF (Canceled)}$$
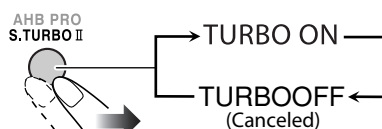
- When Sound Turbo II is turned on, AHB Pro (see below) is automatically turned on, and cannot be turned off. (The AHB indicator does not light even though the function is turned on.)

■ To reinforce the bass sound [Remote ONLY]))

While Sound Turbo II is off, the richness and fullness of the bass sound is clearly maintained regardless of how you set the volume—AHB Pro (Active Hyper Bass Pro).

$$\text{AHB ON} \rightarrow \text{AHB OFF (Canceled)}$$

SHIFT (while holding...)
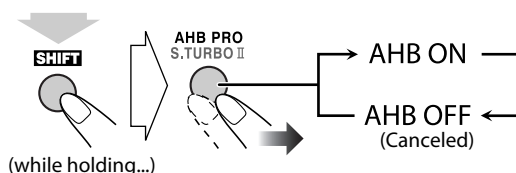
■ To adjust the tone

You can adjust the bass and treble level from –3 to +3.

To adjust the bass

AUDIO/MPX
BASS/TREBLE → BASS → TRE ─┐
└─ Canceled ←─┘

AUDIO /TV
+ VOL –

To adjust the treble

AUDIO/MPX
BASS/TREBLE → BASS → TRE ─┐
└─ Canceled ←─┘

AUDIO /TV
+ VOL –
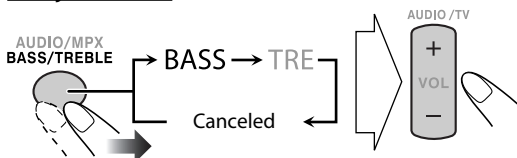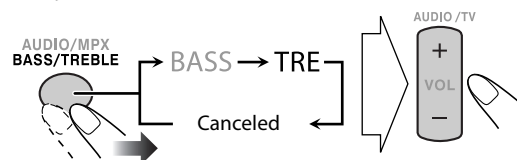
Creating a Soothing Tone for your Ear
—MY SOUND

Each individual response to audio frequency differently.
MY SOUND is to store the response to audio frequency.

■ To setup MY SOUND

1 While playing...

SCAN MODE
[■]

2 Enter MY SOUND setup.

2 sec.

MY SOUND

MY SOUND

⇕
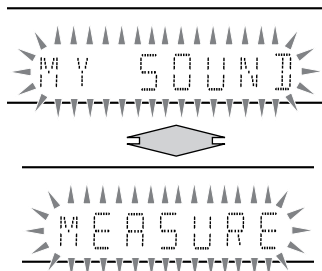
MEASURE

3 Follow the TV on-screen instructions to start the measurement.

▲ ◄ ► ▼

ENTER/ SET

MY SOUND

SELECT START AND PRESS THE ENTER KEY
TO START MEASUREMENT

START   EXIT

⇩

MY SOUND

MEASURING... DATA 1 2 3 4 5

PRESS THE ENTER KEY IMMEDIATELY
AFTER YOU HEAR THE TEST TONE.

ENTER   EXIT
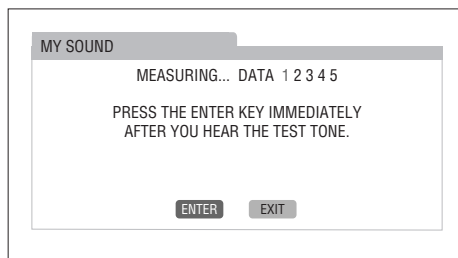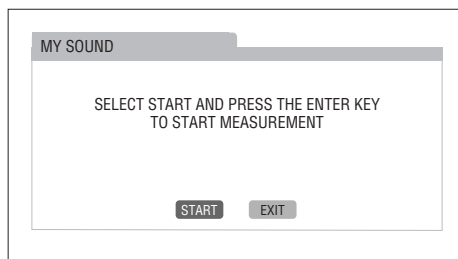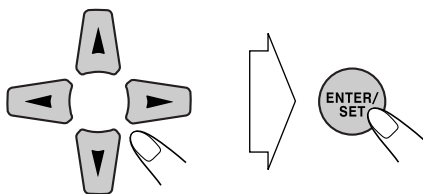
4 Follow the TV on-screen instructions to store in PRESET 1, 2, or 3.

▲ ◄ ► ▼

ENTER/ SET

MY SOUND

PRESET
1
2
3

SELECT PRESET 1 TO 3 AND PRESS
THE ENTER KEY TO STORE.

EXIT

⇩

MY SOUND

PRESET DATA STORED.
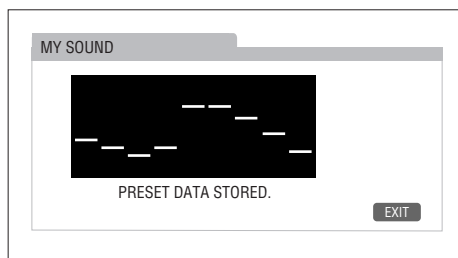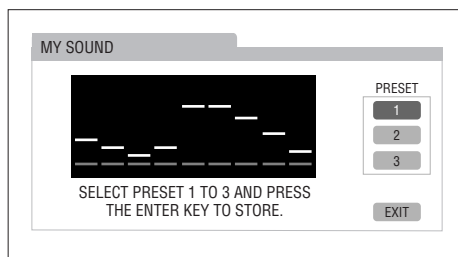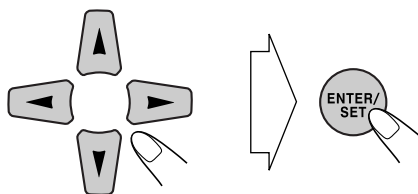
EXIT

To exit MY SOUND setup

MY SOUND

■ To select the preset MY SOUND   `Remote ONLY` »

• This does not function for DivX files.

MY SOUND

→ MYSOUND1 → MYSOUND2 ┐
│   │
└ OFF ← MYSOUND3 ←┘
  (Canceled)
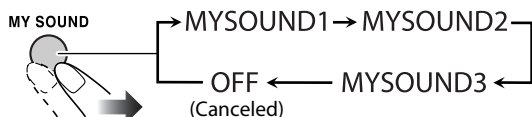
Creating 3-Dimensional Sound Field —3D Phonic   `Remote ONLY` »

• This only functions while listening to disc/USB mass storage class device.
• This does not function for MPEG-1/MPEG-2/DivX files.

While playing...

SHIFT (while holding...)

`(((•)))`
3D P/HPS

→ ACTION → DRAMA ┐
│   │
└ 3D OFF ← THEATER ←┘
  (Canceled)
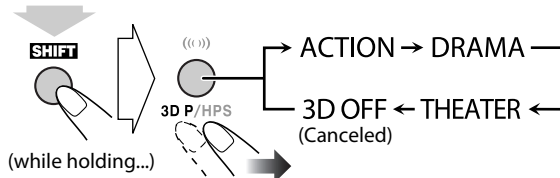
ACTION	Suitable for action movies and sports programs.
DRAMA	Creates natural and warm sound. Enjoy movies in a relaxed mood.
THEATER	Enjoy sound effects like in a major theater.

Making Dialogues Clear —Clear Voice   `Remote ONLY` »

Clear Voice works for multi-channel software which contains a center channel signal and for 2-channel software with 3D Phonic activated.
• This only functions while listening to disc/USB mass storage class device.

SHIFT (while holding...)

CLOCK/ TIMER
C.VOICE

→ On ┐
│   │
└ Canceled ←┘
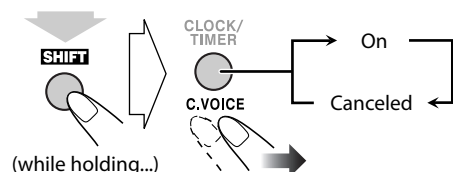
Presetting Automatic DVD Sound Increase Level   `Remote ONLY` »

DVD sound is sometimes recorded at a lower level than other discs and sources. You can set the increase level for the currently loaded DVD, so you do not have to adjust the volume when you change the source.
• This only functions for DVD Video and DVD-VR.

While "DVD/CD" is selected as the source...

SHIFT (while holding...)

SLEEP/ A.STBY
DVD/AUDIO IN
LEVEL
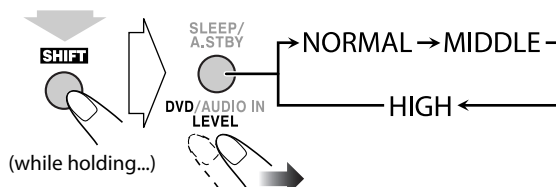
→ NORMAL → MIDDLE ┐
│   │
└ HIGH ←┘

NORMAL	Original recording level.
MIDDLE	Output level is increased (less than "HIGH").
HIGH	Output level is increased (more than "MIDDLE"). [Initial setting]

Changing the Display Brightness

You can dim the display.

While the System is turned on...

DIMMER
ECO

→ DIM 1 → DIM 2 → AUTO ┐
│   │
└ DIM OFF ←┘
  (Canceled)
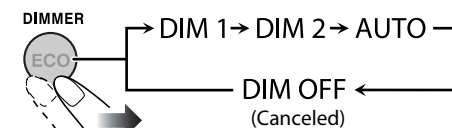
DIM 1/2	Dims the display.
AUTO	Dims the display during playback of still/ moving pictures. • Dimmer is canceled when playback stops.

Setting the ECO (ecology) Mode

Setting the ECO mode allows you to reduce power consumption by turning the display off while on standby.

While the System is on standby...

DIMMER
ECO → DISP OFF → DISP ON ↵

Changing the Color System and Scanning Mode **INFO**

Remote ONLY »)
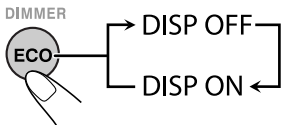
You can select the video output to match it to the color system of your TV (NTSC or PAL).
- If you connect a progressive TV through the VIDEO OUT (COMPONENT) jacks, you can enjoy a high quality picture by selecting progressive scanning mode.

Before playback...

SHIFT (while holding...)

SCAN MODE → PAL → PAL PRG → NTSC PRG ← NTSC ←

ENTER/SET
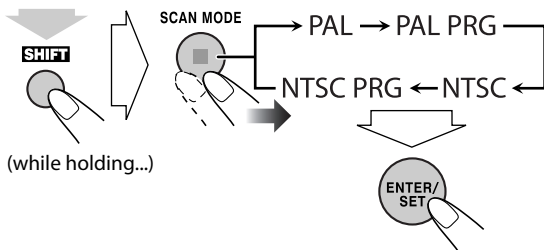
PAL/NTSC	Select for a conventional PAL or NTSC TV.
PAL PRG/ NTSC PRG	Select for a PAL or NTSC progressive TV. • The PRGR (Progressive) indicator lights on the display.

Changing the Picture Tone

Remote ONLY »)

While showing a playback picture on the TV, you can select a preset picture tone, or adjust it and store your own preference.

■ To select a preset picture tone

1 While playing, display VFP setting screen.

SHIFT (while holding...) VFP 0
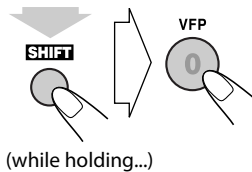
NORMAL	
GAMMA	0
BRIGHTNESS	0
CONTRAST	0
SATURATION	0
TINT	0
SHARPNESS	0

On the TV

2 Select a preset picture tone.

◄ ► → NORMAL → CINEMA → USER2 ← USER1 ←
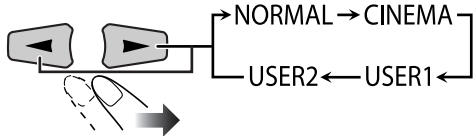
NORMAL	Normally select this.
CINEMA	Suitable for a movie source.
USER1/USER2	You can adjust parameters and can store the settings. (See page 17.)

To clear the screen, press VFP again while holding SHIFT.

■ To adjust the picture tone

1 **Select "USER1" or "USER2."**
- Follow steps **1** and **2** explained in "To select a preset picture tone."

2 **Select a parameter you want to adjust.**
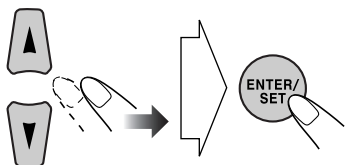
GAMMA	Adjust if the neutral color is bright or dark (−3 to +3).
BRIGHTNESS	Adjust if the entire picture is bright or dark (−8 to +8).
CONTRAST	Adjust if the brightness ratio is unnatural (−7 to +7).
SATURATION	Adjust if the picture is whitish or blackish (−7 to +7).
TINT	Adjust if the human skin color is unnatural (−7 to +7).
SHARPNESS	Adjust if the picture is indistinct (−8 to +8).

3 **Adjust the parameter.**
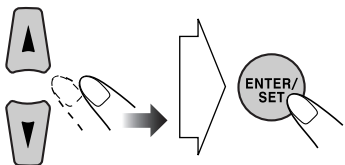
4 **Repeat steps 2 and 3 to adjust other parameters.**

To clear the screen, press VFP again while holding SHIFT.

Setting the Clock [INFO]

Without setting the built-in clock, you cannot use Daily Timers (see page 34).
- To exit the clock settings, press CLOCK/TIMER as required.
- To correct a mis-entry during the process, press CANCEL (while holding SHIFT). You can return to the previous step.

1 **Activate the clock setting mode.**
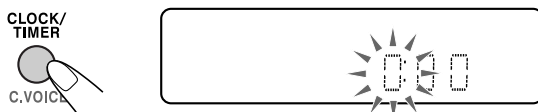
- If you have already adjusted the clock before, press the button repeatedly until the clock setting mode is selected.

2 **Adjust the hour, then the minute.**
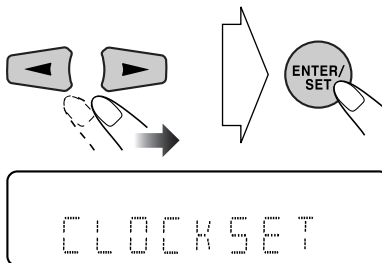
Now the built-in clock starts working.

To check the current clock time during playback
Ex.: While playing a disc...

Source
↓
Disc/file type*
↓
Title and chapter number**
↓
Clock
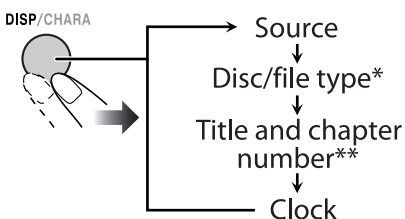
* *Only while playing back a disc or USB mass storage class device.*
** *Only while playing back the following discs/files:*
DVD-VR: *Program number/Play List number and chapter number.*
MP3/WMA/WAV/JPEG/MPEG-1/MPEG-2/DivX files: *Group and file number.*
DVD Video: *Title and chapter number.*

Turning Off the Power Automatically

[Remote ONLY]

■ Auto Standby

- This only functions while playing a disc or USB mass storage class device.

2 sec.

SLEEP/
A.STBY

A.STBY indicator lights on the display.

When the playback stops, the A.STBY indicator starts flashing. If no operation is done for about 3 minutes while the indicator is flashing, the System turns off (standby) automatically.

- Changing the source to "TUNER FM," "TUNER AM," or "AUDIO IN" temporarily deactivates Auto Standby.

To cancel this function, press and hold SLEEP/A.STBY again.

■ Sleep Timer

You can set the shut-off time so that you can go to bed without turning off the System yourself.

1 Specify the time (in minutes).

SLEEP/
A.STBY

→10→20→30→60→90→120→150→180→

Canceled ←
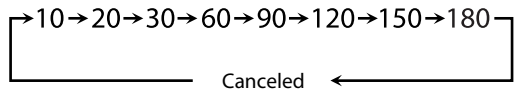
2 Wait until the set time disappears.

To check the time remaining until the shut-off time, press SLEEP/A.STBY once.

- If you press the button repeatedly, you can change the shut-off time.

Unique Video Disc/File Operations

Remote control

USB ►/❙❙

DVD/CD ►/❙❙

SLOW ⊕, ⊖

ZOOM

◄, ►, ▲, ▼

SUBTITLE

AUDIO/MPX

SHIFT

JVC
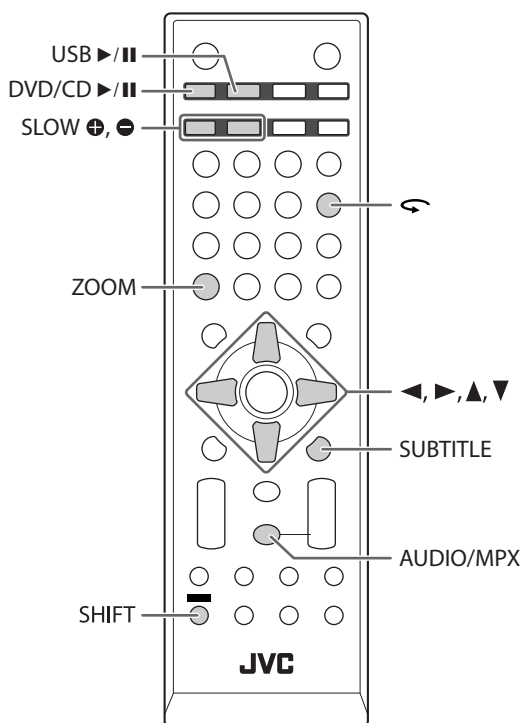
Selecting the Audio Track INFO ▬ Remote ONLY

For DivX files/DVD Video: While playing back a chapter/file containing several audio languages, you can select the language to listen to.

For DVD-VR/SVCD/VCD: While playing back a track, you can select the audio channel to listen to.

• For DVD Video/DVD-VR/SVCD/VCD: You can also select the audio track using the on-screen bar (see page 29).

AUDIO/MPX
BASS/TREBLE

SHIFT

(while holding...)

While playing a DVD Video...

Ex.:

1/3	2/3	3/3
ENGLISH	FRENCH	JAPANESE

1/3 ENGLISH — Hello

2/3 FRENCH — Bonjour

3/3 JAPANESE — おはよう

While playing a DivX file...

1/3 → 2/3 → 3/3
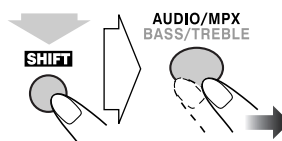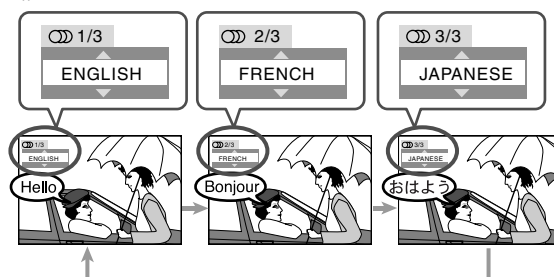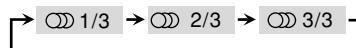
While playing a DVD-VR or SVCD/VCD...

SVCD

ST1 → ST2 → L1
R2 ← L2 ← R1

DVD-VR/VCD

ST → L → R
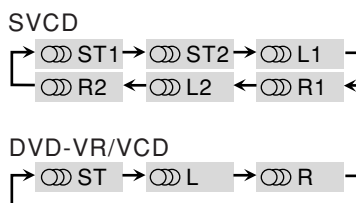
ST1/ST2/ST	To listen to normal stereo (2-channel) playback.
L1/L2/L	To listen to the left audio channel.
R1/R2/R	To listen to the right audio channel.

• SVCD can have 4 audio channels. SVCD usually uses these 4 channels to record two 2-channel recordings (ST1/ST2).

Selecting the Subtitle Language ■ Remote ONLY »

For DivX files/DVD Video: While playing back a chapter/file containing subtitles in different languages, you can select the subtitle language to display on the TV.
For DVD-VR: While playing, you can turn the subtitles on or off.
For SVCD: While playing, you can select the subtitles even if no subtitles are recorded on the disc.
- For DVD Video/DVD-VR/SVCD: You can also select the subtitle language using the on-screen bar (see page 29).

While playing a DivX file/DVD Video...

1

SHIFT

(while holding...)

SUBTITLE
ON SCREEN

□ 1/3
ENGLISH

2

▲
▼

Ex.:

| □ 1/3 | □ 2/3 | □ 3/3 |
| ENGLISH | FRENCH | JAPANESE |

While playing a DVD-VR...

SHIFT

(while holding...)

SUBTITLE
ON SCREEN

□ ON
ON ↔ □ OFF
OFF

While playing an SVCD...

SHIFT

(while holding...)

SUBTITLE
ON SCREEN

| □ –/4 | □ 1/4 | □ 2/4 |
| OFF | 1 | 2 |

| □ 4/4 | □ 3/4 |
| 4 | 3 |
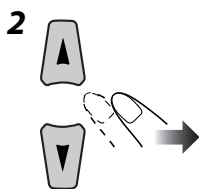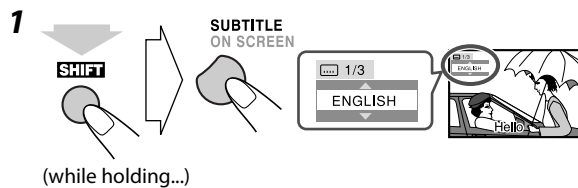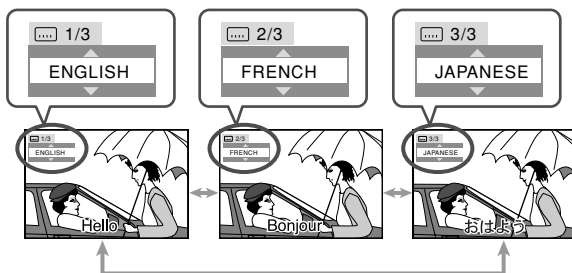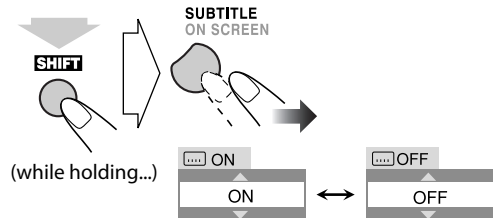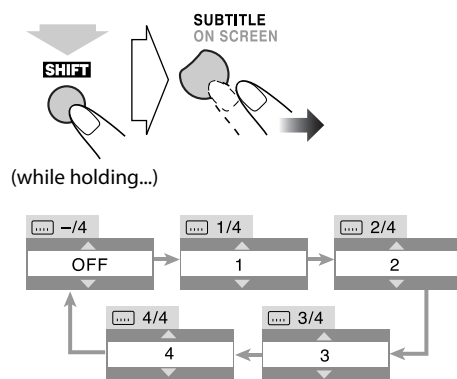
To select multi-angle view, use the on-screen bar (see page 29).

Special Effect Playback INFO

■ Still picture playback

To display the still picture:

While playing...

Disc   USB mass storage class device
DVD/CD   USB
▶/❚❚   ▶/❚❚
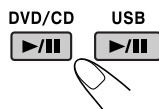
To resume normal playback, press either button again.

■ Frame-by-frame playback *Remote ONLY* »

• This function is used only while playing DVD Video/
DVD-VR/SVCD/VCD.

1 **While playing...**

DVD/CD   USB
▶/❚❚   ▶/❚❚
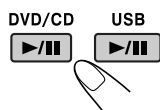
2 **Advance the still picture frame by frame.**
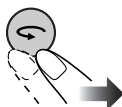
To resume normal playback, press DVD/CD ▶/❚❚ or
USB ▶/❚❚ (depending on the current source).

■ Slow-motion playback *Remote ONLY* »

• This function is used only while playing DVD Video/
DVD-VR/SVCD/VCD.

1 **While playing...**

DVD/CD   USB
▶/❚❚   ▶/❚❚
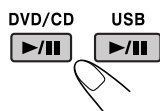
2 **Select slow motion speed.**

⊖ SLOW ⊕
◀◀   ▶▶   Forward slow motion starts.
              ▶1/32 → ▶1/16 → ▶1/8 → ▶1/4 → ▶1/2

              Reverse slow motion* starts.
              ◀1/32 → ◀1/16 → ◀1/8 → ◀1/4 → ◀1/2
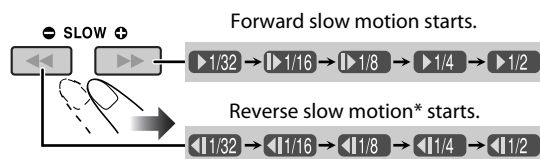
* *Only available for DVD Video.*

To resume normal playback, press DVD/CD ▶/❚❚.

■ To replay the previous scenes (One-Touch Replay) *Remote ONLY* »

• This function is only used while playing DVD Video/
DVD-VR.

While playing....
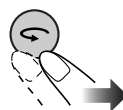
The playback position moves back about
10 seconds before the current position
(only within the same title for DVD
Video).

■ Zoom *Remote ONLY* »

1 **While playing...**

SHIFT ⟹ ZOOM 10
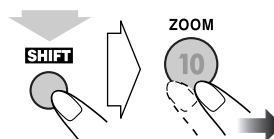
(while holding...)

**While playing a DVD Video/DVD-VR/SVCD/VCD and MPEG-1/
MPEG-2/DivX file:**

→ ZOOM 1 → ZOOM 2 → ZOOM 3 → ZOOM 4 →
ZOOM OFF ← ZOOM 6 ← ZOOM 5 ←
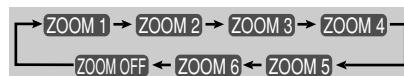
While playing a JPEG file (not available during slide-show):

→ ZOOM 1 → ZOOM 2 →
ZOOM OFF ←
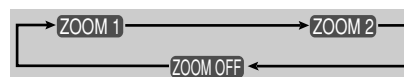
2 **Move the zoomed-in position.**
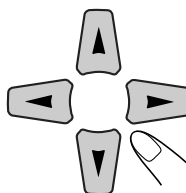
To cancel Zoom, press ZOOM (while holding SHIFT)
repeatedly until "ZOOM OFF" appears on the TV.

Advanced Playback Operations

Remote control

DVD/CD ►/II

Number buttons

CANCEL

▲, ▼

TUNER/PLAY MODE

REPEAT

SHIFT

I◄◄, ►►I

■

JVC

Main unit

JVC

DVD/CD ►/II

I◄◄, ■, ►►I
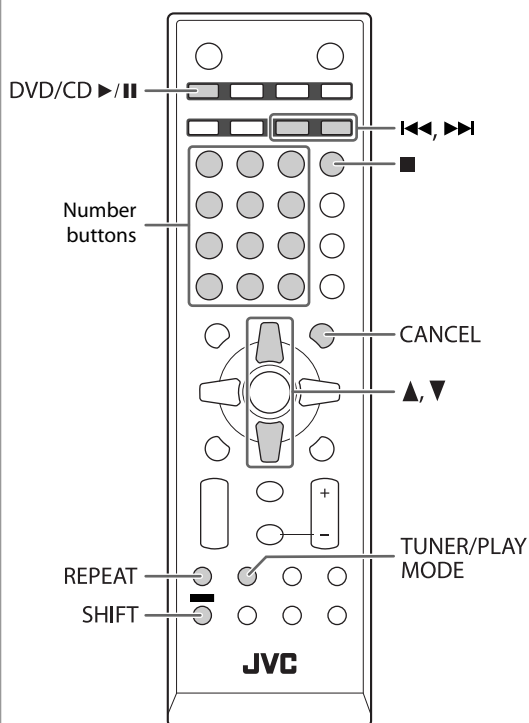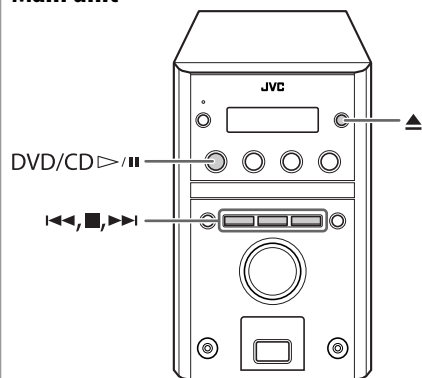
Programming the Playing Order —Program Play INFO

Remote ONLY

You can arrange the playing order of the chapters/tracks/files (up to 99) before you start playback.
- Program play cannot be used for the USB mass storage class device, DVD-VR and JPEG/MPEG-1/MPEG-2/DivX files on a disc.
- Resume does not work for Program Play.

1 Before starting playback, activate Program Play.

TUNER/**PLAY** MODE

→ PROGRAM → RANDOM →
Canceled ←

PRGM

PROGRAM

On the display

PROGRAM
No	Group/Title	Track/Chapter
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
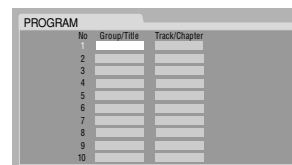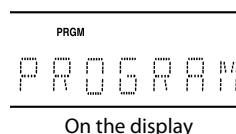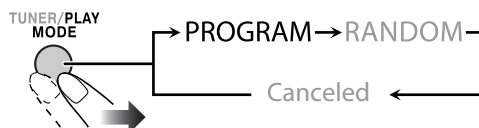
On the TV

2 Select chapters/tracks/files you want for Program Play.
① For DVD Video and MP3/WMA/WAV files: Select a title or group number.
② Select a chapter or track/file number.
- To select a number, see "How to select a number" on page 9.

3 Repeat step **2** until you complete your program.

4 Start playback.

DVD/CD ►/II

Playback starts in the order you have programmed.

To skip:	To pause:	To stop:
GROUP/TITLE SKIP I◄◄ ►►I	DVD/CD ►/II **To release,** press the same button again.	SCAN MODE ■

■ To check the programmed contents

Before or after playback...

 In the reverse order.

 In the programmed order.
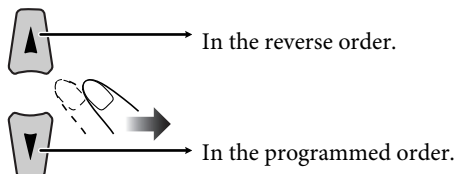
- You can also use ◄◄ or ►► to check the programmed contents.

■ To modify the program

Before or after playback...

To erase the last step:
SHIFT → CANCEL MENU/PL (while holding...)
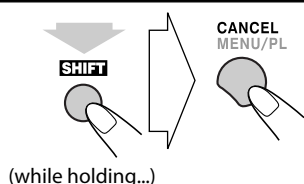
To erase the entire program:	To add another step in the program:
SHIFT → 2 sec. CANCEL MENU/PL (while holding...)	Repeat step **2** on page 22.
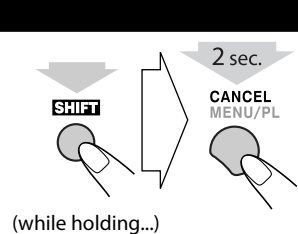
To exit Program Play

Before or after playback...

TUNER/**PLAY** MODE

→ PROGRAM → RANDOM → Canceled ←

Playing at Random —Random Play

You can play all chapters or tracks at random.
- Random Play cannot be used for the USB mass storage class device, DVD-VR and JPEG/MPEG-1/MPEG-2/DivX files on a disc.

1 **Before starting playback, activate Random Play.**

TUNER/**PLAY** MODE

→ PROGRAM → RANDOM → Canceled ←

RND
RANDOM

2 **Start playback.**

DVD/CD
►/II
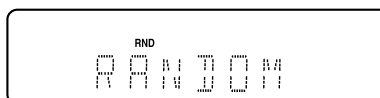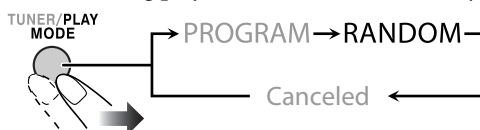
Playback starts in random order. Random Play ends when the entire disc has been played.

To skip a chapter/track:	To pause:	To stop:
►►I	DVD/CD ►/II **To release,** press the same button again.	SCAN MODE ■

To exit Random Play

Before or after playback...

TUNER/**PLAY** MODE

→ PROGRAM → RANDOM → Canceled ←

Playing Repeatedly INFO

- For DVD Video/DVD-VR/SVCD/VCD/CD: You can also select the repeat mode using the on-screen bar (see pages 30 and 31).

For DVD Video:
While playing...

REPEAT → REP CHAP* → REP TTL
→ REP OFF ←
(Canceled)
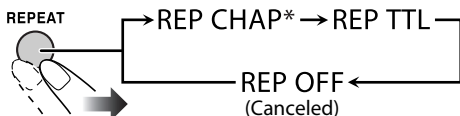
For CD/SVCD/VCD:
While playing (without PBC for SVCD/VCD) or before playback...

REPEAT → REP TRK* → REP ALL
→ REP OFF ←
(Canceled)
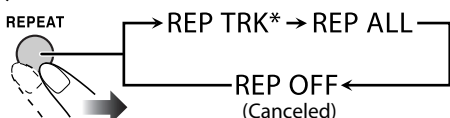
For DVD-VR:
While playing an Original Program...

REPEAT → REP CHAP → REP PG
→ REP OFF ← REP ALL ←
(Canceled)

While playing a Play List...
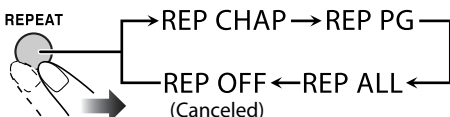
REPEAT → REP CHAP → REP PL
→ REP OFF ←
(Canceled)
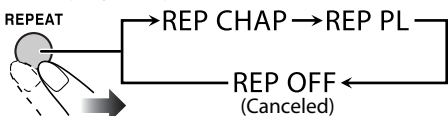
For MPEG-1/MPEG-2/DivX/MP3/WMA/WAV files:
While playing or before playback...

REPEAT → REP TRK* → REP GRP
→ REP OFF ← REP ALL ←
(Canceled)
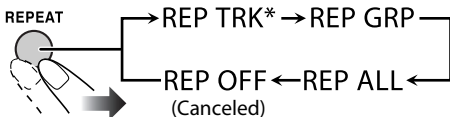
For JPEG files during slide-show:
While playing or before playback...

REPEAT → REP GRP → REP ALL
→ REP OFF ←
(Canceled)
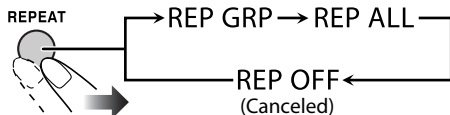
REP CHAP*	Repeats the current chapter.
REP TTL	Repeats the current title.
REP TRK*	Repeats the current track/file.
REP GRP	Repeats the current group.
REP PG	Repeats the current program.
REP PL	Repeats the current Play List.
REP ALL	Repeats all the contents or programmed tracks/files.

* *During Program Play and Random Play, "REP STEP" appears instead of these indications, and the repeat mode changes as follows for all discs.*

→ REP STEP → REP ALL
→ REP OFF ←
(Canceled)
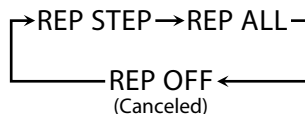
Prohibiting Disc Ejection —Child Lock

You can lock the disc tray so that no one can eject the loaded disc.
- This function is available only while the System is on standby.

While the disc tray is closed...

LOCKED

(while holding...)
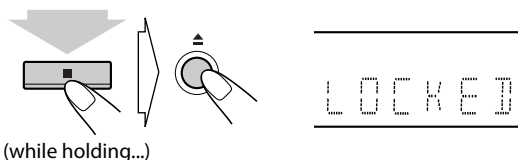
To cancel the prohibition, repeat the same procedure. "UNLOCKED" appears on the display.

24

Recording and Editing Operations INFO

Remote control

USB ►/❚❚

DVD/CD ►/❚❚

GROUP/TITLE
SKIP ◄◄, ►►❙

■

Number
buttons

DISP/CHARA

TITLE/DEL

CANCEL

ENTER/SET

◄, ►, ▲, ▼

+

−

SHIFT

JVC

Main unit

JVC

USB MEMORY
▷/❚❚

DVD/CD ▷/❚❚

■

CD►USB REC
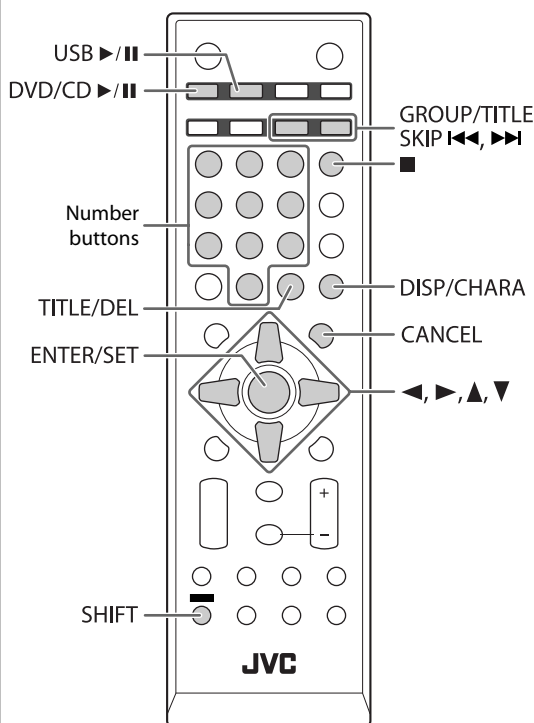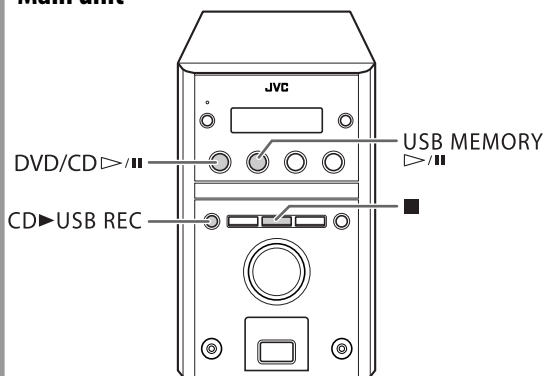
Before You Start Recording

- It may be unlawful to record or play back copyrighted material without the consent of the copyright owner.
- The recording level is not affected by the volume.
- Active Hyper Bass Pro, tone adjustment and/or sound mode effect (see page 13) does not affect recordings.
- Random Play and Repeat Mode are canceled during recording mode.
- You can record up to 999 tracks per group to the USB device. If you try to record a track after recording 999 tracks, "FILEFULL" appears on the display and the track will not be recorded.
- This tracks which are recorded to the USB device will be converted into MP3 format.
- You cannot start recording into a USB device while "READING" is shown on the display.
- Some USB devices have limit of recordable track number in the root group. Select another group or make a new group to record tracks when the number of target tracks to record is over the limit.
- Do not disconnect a USB device while playing/recording/editing. It may cause malfunction.

About SCMS (Serial Copy Management System)

The System uses the Serial Copy Management System which allows only first-generation digital copies to be made of premastered software such as regular CDs.
If you try to record from a duplicated CD-R or CD-RW into the USB device, "SCMS VLT" appears on the display.

1st generation   2nd generation

NO

DIGITAL   DIGITAL

CD   CD-R/RW   Memory

ANALOG

OK
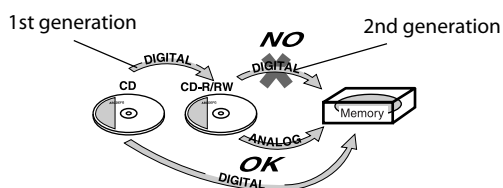
DIGITAL

Recording from a Disc

You can record tracks in digital recording from a CD onto the USB device.

- Do not vibrate the System while recording/editing tracks. Take care especially while "WAIT" is shown on the display. It may damage the recorded tracks on the System.

Before recording....
Connect a recordable USB device to the USB memory terminal (•←→). (See also page 6.)

1 Start and stop playback of the disc.

DVD/CD
▶/❚❚

SCAN MODE
■
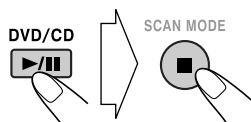
2 Select a track to start recording.

GROUP/TITLE SKIP
◄◄   ►►◄

Recording starts from the selected track until the last track.

3 Enter recording mode.

CD▶USB REC
(on the main unit)

```
GROUP SELECTION

         ▲
    GROUP01
    GROUP02
    GROUP03
    GROUP04
    NEW GROUP
         ▼
PLEASE SELECT GROUP IN WHICH YOU WANT TO RECORD.
    THEN PRESS ENTER TO START RECORDING.

USE △▽ TO SELECT GROUP.
TO EXIT, PRESS ■.
```
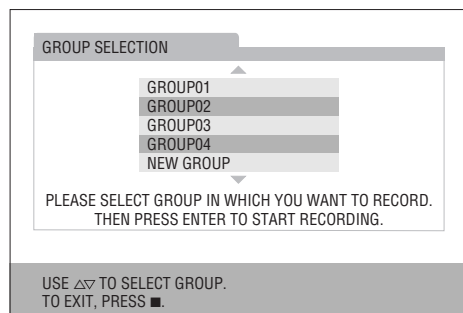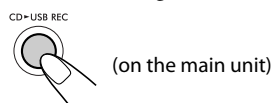
4 Select a folder to record tracks into.

▲
▼

ENTER/
SET
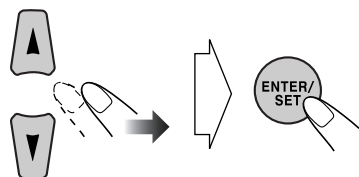
- If "NEW GROUP" is selected, the System will automatically create the new group as "001_group." If "001_group" already exist, "002_group," "003_group," and etc will be created.

- To give title directly to the new group, press TITLE/DEL (while holding SHIFT) when the cursor is pointing at "NEW GROUP."
- To change title for the existing groups (eg. "GROUP01," "GROUP02," etc.), see "Giving (Editing) Titles to Tracks or Groups" on the following.

Both recording and playback start at the same time.
When playback ends, recording also stop.

- You cannot change the source while recording.
- If you have programmed the playing order for CD (see "Programming the Playing Order—Program Play" on page 22), the tracks are recorded in the programmed order if Program Play is activated.

To stop recording manually:	To record the playing track (1 track):
SCAN MODE ■	During play or pause... CD▶USB REC (on the main unit) Then, repeat step *4* on the left column.
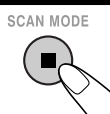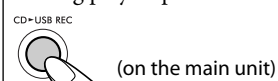
Giving (Editing) Titles to Tracks or Groups

Remote ONLY »))

While playing, you cannot edit track/group titles.
- To edit the title, stop the playback.
- To quit title editing, press CANCEL (while holding SHIFT).

You can give titles (up to 24 characters) to the tracks and groups (up to 28 characters) in the USB device.

1 Start and stop playback of the USB device.

USB
▶/❚❚

SCAN MODE
■
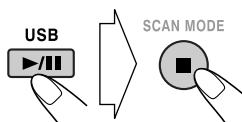
2 Select a track/group you want to edit.

To select a track:

GROUP/TITLE SKIP
◄◄   ►►◄

To select a group:

SHIFT

GROUP/TITLE SKIP
◄◄   ►►◄

(while holding...)

26
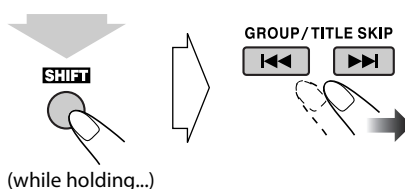
3 Select the track/group title editing mode.

SHIFT (while holding...)

TITLE/DEL ≧10

→ TTL EDIT
↓
TTL DEL
↓
GRP EDIT
↓
GRP DEL
↓
(Canceled)

4 Confirm the selection.

ENTER/SET

```
GROUP TITLE EDIT

  ▷  ABCDE
     01234   GROUP01
              ▲
  [0 – 9] KEY   ENTER LETTERS
  △▽            CHANGE CHARACTER TABLE
  ◁▷            MOVE CURSOR
  [CANCEL]      DELETE A LETTER
  [ENTER]       REGISTER NEW NAME


  TO EXIT, PRESS ■.
```
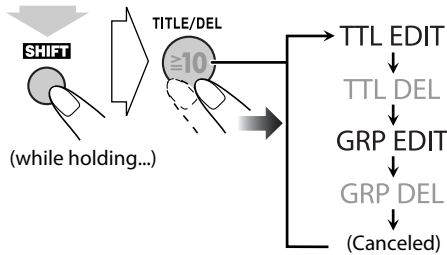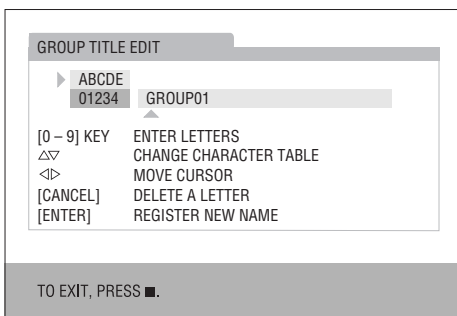
Ex.: When "GRP EDIT" is selected in step **3**

5 Enter a title.
- For entering a title, see "Entering Titles" on the right column.

6 Finish the procedure.

ENTER/SET

EDIT ⇒ FINISH
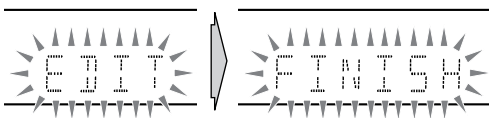
To give next title, repeat steps **2** to **6**.

Entering Titles

Remote ONLY

1 Select the character type.

▲ ▼   or   DISP/CHARA

→ Upper case ←
↓   ↑
Numeric ←

2 Enter a character.

MARK 1	ABC 2	DEF 3
GHI 4	JKL 5	MNO 6
PQRS 7	TUV 8	WXYZ 9
VFP 0		
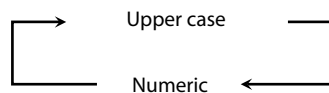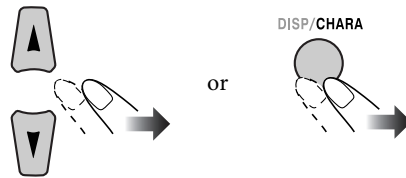
- Several characters are assigned to one button. Press the button repeatedly until the desired character is displayed.
- For available characters, refer to "Available Characters" below.

3 Confirm the entry.

ENTER/SET

"NO NAME" appears if no characters is selected in step **2**.

Available Characters

Button	Uppercase character	Numerical character
MARK ①	(Space) , ! , # , $, % , & , ' , (,) , + , –, . , = , @ , _ • *Some symbols may not appear on the display.*	1
ABC ②	ABC	2
DEF ③	DEF	3
GHI ④	GHI	4
JKL ⑤	JKL	5
MNO ⑥	MNO	6
PQRS ⑦	PQRS	7
TUV ⑧	TUV	8
WXYZ ⑨	WXYZ	9
VFP ⓪	–	0

■ To move the character entry position

Move the entry position to the right.

Move the entry position to the left.
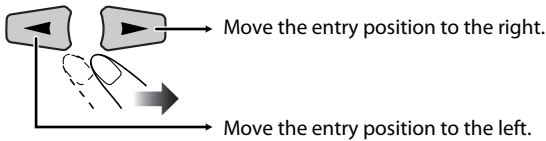
■ To erase a character

When the character entry position is on the character you want to erase...

SHIFT + **CANCEL** / **MENU/PL**

(while holding...)
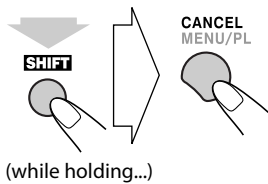
■ To enter a space

Select the space from "Symbols." (See "Available Characters" on page 27.)
- You can also enter a space at the end of a title by pressing ►.

To quit title entry

SCAN MODE

- The entered titles are not stored.

Erasing the Tracks or Groups ■ *Remote ONLY* ≫

You can erase tracks/groups on the USB device.
- Once the tracks are erased, you cannot resume them.
- To go back to the previous step, press CANCEL (while holding SHIFT).
- To quit erasing, press ■.

1 Start and stop playback of the USB device.

USB ►/❚❚   **SCAN MODE** ■
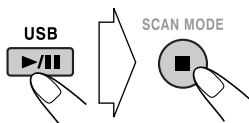
2 Select a track/group you want to erase.

To select a track:

GROUP/TITLE SKIP ◄◄ ►►❙

To select a group:

SHIFT + **GROUP/TITLE SKIP** ◄◄ ►►❙
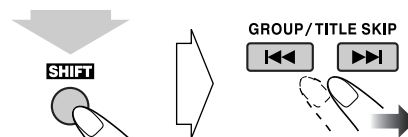
(while holding...)

3 Select the track/group title erase mode.
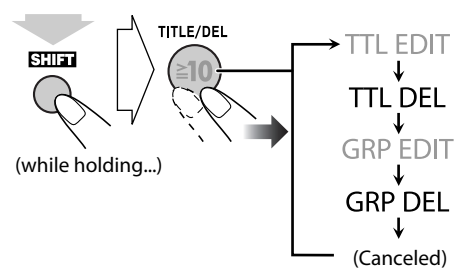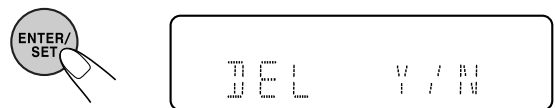
SHIFT + **TITLE/DEL** ≥10

(while holding...)

→ TTL EDIT
↓
TTL DEL
↓
GRP EDIT
↓
GRP DEL
↓
(Canceled)

4 Confirm the selection.

ENTER/ SET

DEL   Y / N

5 Erase your selection.

ENTER/ SET

EDIT   FINISH

On-Screen Operations

Remote control

- USB ►/❚❚
- DVD/CD ►/❚❚
- Number buttons
- TOP MENU/PG
- ENTER/SET
- MENU/PL
- ◄, ►, ▲, ▼
- ON SCREEN
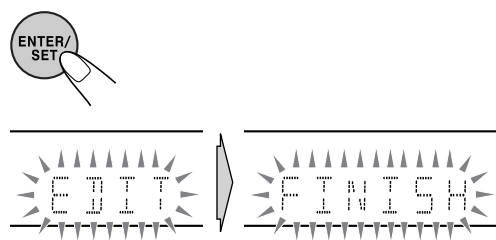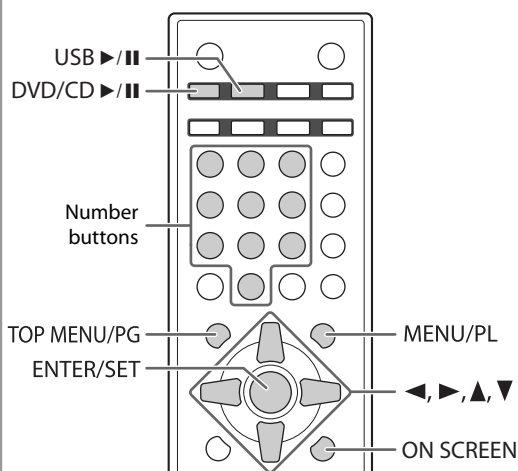
On-screen Bar Operations INFO [Remote ONLY] »»)

You can check the source information (disc/USB mass storage class device) and playback status by using the on-screen bar (not applicable for MP3/WMA/WAV/JPEG files). You can also use some functions when playing back DVD Video/DVD-VR/SVCD/VCD/CD.

On-screen Bar Information

DVD Video
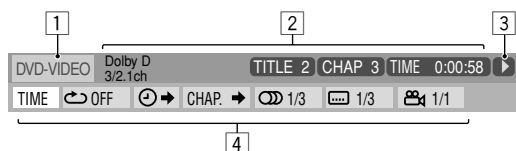
DVD-VR
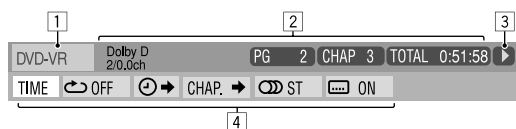
SVCD
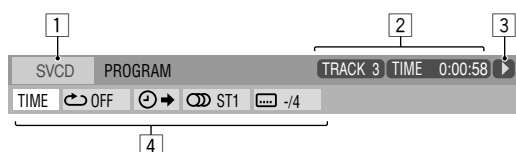
VCD
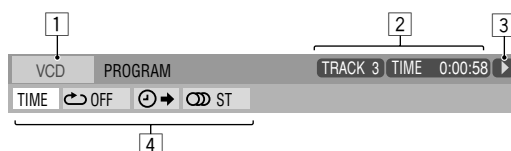
CD
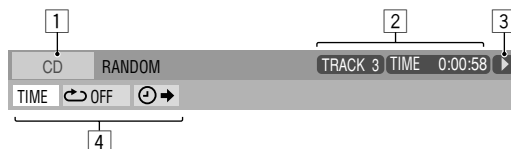
MPEG-1/MPEG-2/DivX files on a disc

MPEG-1/MPEG-2/DivX files in a USB mass storage class device

1 **Disc/source**

2 **Playback information**

Dolby D	Audio format
3/2.1ch, 2/0.0 ch	Channel number
PROGRAM, RANDOM	Current play mode
TITLE 2	Current title
CHAP 3	Current chapter
TRACK 14	Current track
PG 2	Current program
PL 2	Current Play List
TIME 0:00:58	Time indication

3 **Operation modes**

▶	Playback
▶▶/◀◀	Forward/Reverse search
I▶/◀I	Forward/Reverse slow-motion
❚❚	Pause
■	Stop

4 **Function icons (on the pull-down menu)**

TIME	Select to change the time indications.
↻ OFF	Select to repeat playback.
⊙→	Select for time search.
CHAP.→	Select for chapter search.
⊙ 1/3	Select to change the audio language or channel (see also page 19).
⚏ 1/3	Select to change subtitle language (see also page 20).
🎥 1/3	Select to change the view angle (see also page 11).

■ To operate using the On-screen Bar

Ex.: Selecting a subtitle (French) for DVD Video

While "DVD/CD" is selected as the source...

1 Display the entire on-screen bar.

SUBTITLE
ON SCREEN

DVD-VIDEO | Dolby D 3/2.1ch | TITLE 2 | CHAP 3 | TIME 0:00:58 | ▶

DVD-VIDEO | Dolby D 3/2.1ch | TITLE 2 | CHAP 3 | TIME 0:00:58 | ▶
TIME | ↻ OFF | ⊕ ➡ | CHAP. ➡ | ⊕ 1/3 | ▭ 1/ 3 | 🎥 1/1 *
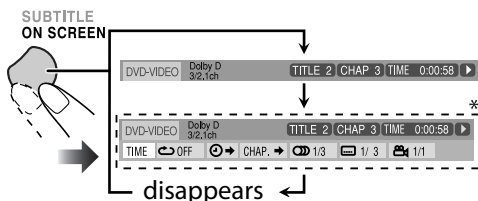
disappears

* This does not appear for MPEG-1/MPEG-2/DivX files.

2 Select (highlight) the item you want.

◄   ►

DVD-VIDEO | Dolby D 3/2.1ch | TITLE 2 | CHAP 3 | TIME 0:00:58 | ▶
TIME | ↻ OFF | ⊕ ➡ | CHAP. ➡ | ⊕ 1/3 | ▭ 1/3 | 🎥 1/1

3 Display the pop-up window.

ENTER/SET

TITLE 2 | CHAP 3 | TOTAL 1:01:58 | ▶
➡ | ⊕ 1/3 | ▭ 1/3 | 🎥 1/1
ENGLISH
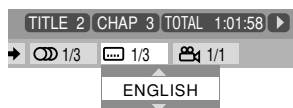
4 Select the desired option in the pop-up window.

▲   ▼

TITLE 2 | CHAP 3 | TOTAL 1:01:58 | ▶
➡ | ⊕ 1/3 | ▭ 2/3 | 🎥 1/1
FRENCH

5 Finish the setting.

ENTER/SET
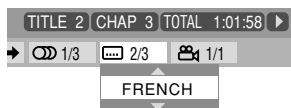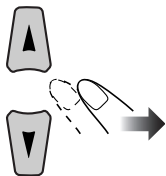
Pop-up window disappears.

To remove the on-screen bar

SUBTITLE
ON SCREEN

■ To change the time information

You can change the time information on the on-screen bar and the display on the main unit.

1 While playing, display the entire on-screen bar.

DVD-VIDEO | Dolby D 3/2.1ch | TITLE 2 | CHAP 3 | TIME 0:00:58 | ▶
TIME | ↻ OFF | ⊕ ➡ | CHAP. ➡ | ⊕ 1/3 | ▭ 1/3 | 🎥 1/1

2 Make sure TIME is selected (highlighted).

3 Change the time indication.

ENTER/SET

TIME 0:00:58 → REM 0:11:23

T. REM 0:35:24 ← TOTAL 1:01:58
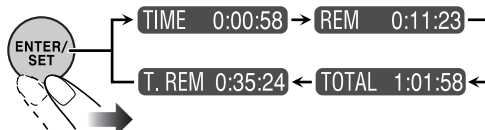
TIME	Elapsed playing time of the current chapter/track (not applicable for DVD-VR).
REM	Remaining time of the current chapter/track (not applicable for DVD-VR).
TOTAL	Elapsed disc time.
T. REM	Remaining time of title (DVD Video)/program (DVD-VR)/disc (SVCD/VCD).

To remove the on-screen bar

SUBTITLE
ON SCREEN

■ Repeat Play

• See also page 24.

1 While playing (without PBC for SVCD/VCD), display the entire on-screen bar.
  • Repeat mode can also be selected before starting playback (not applicable for DVD Video/DVD-VR).

2 Select ↻ OFF .

3 Display the pop-up window

DVD-VIDEO | Dolby D 3/2.1ch | TITLE 2 | CHAP 3 | TOTAL 1:01:58 | ▶
TIME | ↻ OFF | ⊕ ➡ | CHAP. ➡ | ⊕ 1/3 | ▭ 1/3 | 🎥 1/1
OFF

4 **Select the repeat mode you want.**

A-B	Repeats a desired portion (see below).
TITLE*	Repeats the current title.
ALL	Repeats the disc (not applicable for DVD) or programmed track.
CHAPTER**	Repeats the current chapter.
TRACK**	Repeats the current track.
OFF	Cancels Repeat Play.

* *While playing a DVD-VR, "PG" appears, and while playing a Play List, "PL" appears.*

** *During Program Play and Random Play, "STEP" appears.*

5 **Finish the setting.**

■ A-B Repeat

You can repeat playback of a desired portion by specifying the beginning (point A) and the ending (point B).
• A–B Repeat cannot be used for MP3/WMA/WAV/JPEG/MPEG-1/MPEG-2/DivX files and some DVDs.

1 **While playing, display the entire on-screen bar.**

2 **Select** ↻ OFF **.**

3 **Display the pop-up window.**

DVD-VIDEO	Dolby D 3/2.1ch			TITLE 2	CHAP 3	TOTAL 1:01:58	▶
TIME	↻ OFF	⊙➔	CHAP. ➔	⊙ 1/3	▭ 1/3	♟ 1/1	

OFF

4 **Select "A-B."**

DVD-VIDEO	Dolby D 3/2.1ch		
TIME	↻ OFF	⊙➔	CHAP.

A–B
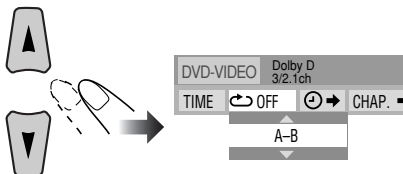
5 **Select the start point (A).**

DVD-VIDEO	Dolby D 3/2.1ch			TITLE 2	
TIME	↻ A-	⊙➔	CHAP. ➔	⊙ 1/3	

6 **Select the end point (B).**

A-B Repeat starts. The selected portion plays repeatedly.
• You can search for the end point using the ▶▶ button.

To cancel A-B Repeat, repeat steps **1** to **3**, and select "OFF" in step **4**.
• A-B Repeat will also be canceled when you stop play or skip the chapter or track.

■ Time Search

You can move to a particular point by specifying the elapsed playing time from the beginning.
• This function is not available during Program Play and Random Play.

1 **While playing (without PBC for SVCD/VCD), display the entire on-screen bar.**
• Time Search can also be used before starting playback (not applicable for DVD Video/DVD-VR).

2 **Select** ⊙➔ **.**

3 **Display the pop-up window.**

DVD-VIDEO	Dolby D 3/2.1ch			TITLE 2	CHAP 3	TIME 0:00:58	▶
TIME	↻ OFF	⊙➔	CHAP. ➔	⊙ 1/3	▭ 1/3	♟ 1/1	

TIME _ : _ _ : _ _

4 **Enter the time.**
You can specify the time in hours/minutes/seconds.

Examples:
To move to a point of 1 (hours): 02 (minutes): 00 (seconds), press 1, 0, 2, 0, then 0.
To move to a point of 54 (minutes): 00 (seconds), press 0, 5, 4, 0, then 0.

• It is always required to enter the hour digit (even "0" hours), but it is not required to enter the final zeros (the last two digits in the examples above).
• **To correct a mis-entry,** press ◄ to erase the last entry.

5 **Confirm your entry.**

The System starts playing the disc from the selected playing time.

■ Chapter Search

For DVD Video/DVD-VR: You can search for the chapter number to play.

• This function is not available during Program Play and Random Play.

1 While playing, display the entire on-screen bar.

2 Select CHAP. ➡.

3 Display the pop-up window.

DVD-VIDEO	Dolby D 3/2.1ch	TITLE 2	CHAP 3	TOTAL 1:01:58 ▶
TIME	⟲ OFF	⏱ ➡	CHAP. ➡	⟅D 1/3	⎕ 1/3	🗁 1/1
		CHAPTER

4 Enter the desired chapter number.
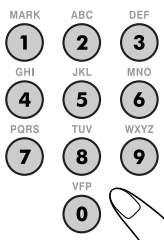
Examples:
To select chapter 5, press 5.
To select chapter 10, press 1, then 0.
To select chapter 15, press 1, then 5.
To select chapter 30, press 3, then 0.

• **To correct a mis-entry,** press the number buttons until the desired number is shown in the pop-up window.

5 Confirm your entry.

The System starts playing the selected chapter.

Control Screen Operations ▬▬▬ *Remote ONLY* ⟩⟩⟩

You can search for and play the desired items through the control screen for DVD-VR and MP3/WMA/WAV/JPEG/MPEG-1/MPEG-2/DivX files.

■ Control screen for DVD-VR

The control screen is superimposed onto the TV screen when you call up Original Program (PG) or Play List (PL).

To select playback type

To display the Original Programs:	**To display the Play Lists:**
RETURN **TOP MENU/PG**	CANCEL **MENU/PL**
To remove the list, press the same button again.	

Ex.: When Original Program is selected.

```
ORIGINAL PROGRAM

No  Date      Ch   Time    Title
 1  03/12/08  L    12:15   La fleur
 2  09/12/08  L    23:05   The last struggle
 3  18/12/08  L    08:17   free flyer
 4  20/12/08  L    07:47   BOOM!
 5  25/12/08  L    19:38   Mr. Lawrence
 6  28/12/08  L    14:20   Satisfy U
```
① ② ③ ④   ⑤   ⑥

Ex.: When Play List is selected.

```
PLAY LIST

No  Date      Chap  Length   Title
 1  03/12/08  002   0:23:24  Nebula G.
 2  15/12/08  004   1:04:39  CDJ
 3  24/12/08  013   0:41:26  Secret Garden
 4  27/12/08  017   0:09:08  S. Walker
```
① ②   ⑦   ⑧   ⑤   ⑥

① Listed number
② Recording/creating date
③ Recording channels
④ Recording time
⑤ Title
⑥ Highlight bar (current selection)
⑦ Chapters included
⑧ Playback time

To select an item in the list and start playback
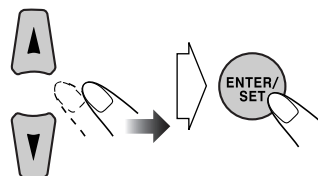
• If you move the highlight bar while playing back, the selected item starts playback automatically.

■ Control screen for MP3/WMA/WAV/JPEG/MPEG-1/MPEG-2/DivX files

The control screen appears on the TV when the System detects MP3/WMA/WAV/JPEG/MPEG-1/MPEG-2/DivX files on the loaded disc or connected USB mass storage class device.

• For JPEG/MPEG-1/MPEG-2/DivX, it appears when playback is stopped.

Ex.: While playing an MP3 file on a disc.
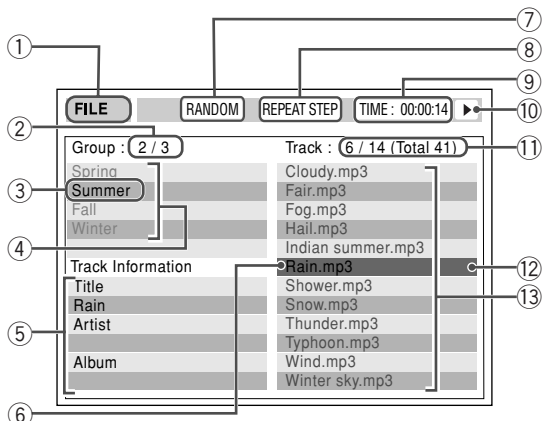
① Current source
   FILE: Current source is "DVD/CD."
   USB: Current source is "USB MEM."
② Current group number/total group number
③ Current group
④ Group list
⑤ File information (only for MP3/WMA/WAV files)
⑥ Current file
⑦ Random Play/Program Play setting (not applicable for the files in the USB mass storage class device)
⑧ Repeat Play setting
⑨ Elapsed playing of the current file (not applicable for JPEG files)
⑩ Operation status icon
⑪ Current file number/total number of files in the current group (total number of files on the loaded disc/USB mass storage class device)
⑫ Highlight bar (current selection)
⑬ File list
• If different types of playable files (audio/still picture/moving picture) are recorded on a disc or USB mass storage class device, select a file type to play (see page 11).

To move the highlight bar between group list and file list

Moves the bar to the file list.

Moves the bar to the group list.
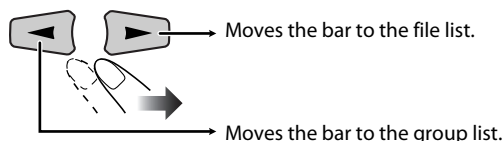
To select an item in the list
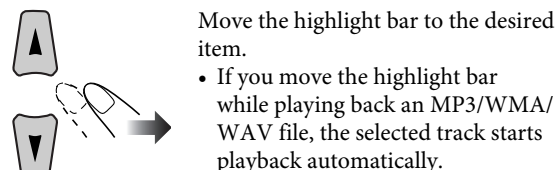
Move the highlight bar to the desired item.
• If you move the highlight bar while playing back an MP3/WMA/WAV file, the selected track starts playback automatically.

To start playback

For JPEG:	
ENTER/SET	The selected file (still picture) is displayed until you change it.
Disc **DVD/CD** ▶/❚❚ USB mass storage class device **USB** ▶/❚❚	Press one of the buttons depending on the current source. Slide-show playback starts. Each file (still picture) is shown on the screen for about 3 seconds, then changes one after another. • To cancel slide-show and display the current still picture, press the same button again.
For the other files:	
ENTER/SET	Playback starts with the selected track. • Pressing DVD/CD ▶/❚❚ or USB ▶/❚❚ also starts playback.

• Once you start to play back a picture, the control screen disappears.
• **To show the control screen,** press TOP MENU/PG or MENU/PL.

Daily Timer Operations

Remote control

- ⏻/I AUDIO
- CANCEL
- ENTER/SET
- ◄, ►
- SHIFT
- CLOCK/TIMER

JVC
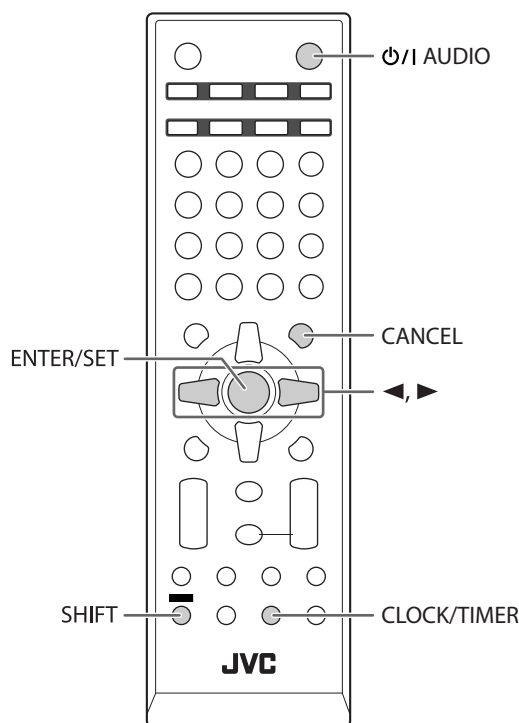
Setting the Daily Timer (INFO) ▬▬ (Remote ONLY) »»

Using Daily Timer, you can wake up with your favorite music.

You can store three Daily Timer settings; however, you can activate only one of the timers at any one time.
- To exit the timer settings, press CLOCK/TIMER as required.
- To correct a mis-entry during process, press CANCEL (while holding SHIFT). You can go back to the previous step.

> **Initial Daily Timer settings when shipped from the factory:**
> - DAILY 1: ON Time (6:00)/OFF Time (8:00)/Source (TUNER FM 1)/Volume level (– –)
> - DAILY 2: ON Time (7:00)/OFF Time (9:00)/Source (TUNER FM 1)/Volume level (– –)
> - DAILY 3: ON Time (10:00)/OFF Time (12:00)/Source (TUNER FM 1)/Volume level (– –)

1 Select one of the timer setting modes you want to set—DAILY 1 ON time, DAILY 2 ON time, or DAILY 3 ON time.

CLOCK/TIMER
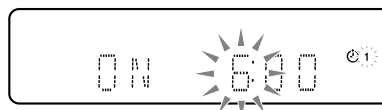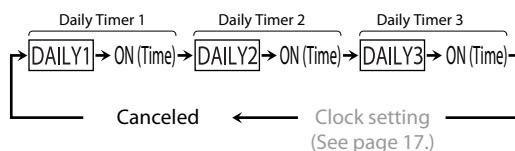
Ex.: When Daily Timer 1 setting mode is selected

- When the clock has not been set, pressing CLOCK/TIMER makes the System enter the clock setting mode (see page 17).

2 Set the timer as you like.
Repeat the procedure for the following settings until finished.

34
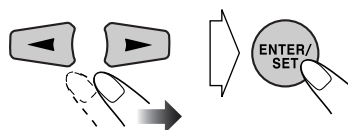
① Set the hour then the minute for on-time.
② Set the hour then the minute for off-time.
③ Select the playback source—"TUNER-FM,"
"TUNER-AM," "DISC," "AUDIO IN," or "USB."
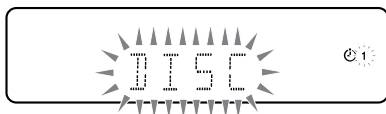
④ For "TUNER-FM" or "TUNER-AM": Select a preset channel.
For "DISC": Select the title/group number, then the chapter/track/file number.
For "USB": Select the group number, then the track/file number.
⑤ Select the volume level.
  • You can adjust the volume level ("0" to "39" and "VOL – –"). If you select "VOL – –," the volume is set to the same level as when the System was last turned off.
Once settings are completed, the timer setting information appears in sequence.

3 **Turn off the System (on standby), if you have set the timer with the System turned on.**

How Daily Timer works

Once the Daily Timer has been set, the timer indicator (☽) and timer number indicator (1/2/3) are lit on the display. Daily Timer is activated at the same time everyday until the timer is turned off manually (see the next column) or another timer is activated.

When the on-time comes

The System turns on, tunes in to the specified station or starts playing from the specified source, and gradually increases the volume level to the preset level after for 30 seconds.
• While Daily Timer is working, the timer indicator (☽) flashes on the display.

When the off-time comes

The System stops playback, and turns off (on standby) automatically.
• The timer setting remains in memory until you change it.

■ To turn on or off the Daily Timer

Since Daily Timer is activated at the same time everyday, you may need to cancel it on some particular days.

To cancel the Daily Timer

1 **Select the Timer (DAILY 1, DAILY 2, or DAILY 3) you want to cancel.**
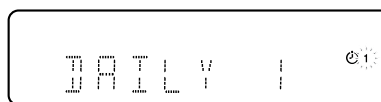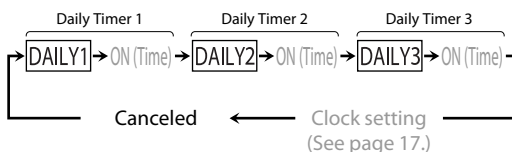
Ex.: To cancel Daily Timer 1

2 **Turn off the selected Timer.**
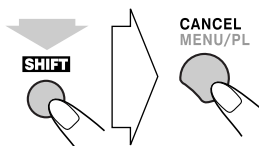
(while holding...)

To turn on the Daily Timer

1 **Select the Timer (DAILY 1, DAILY 2, or DAILY 3) you want to activate.**
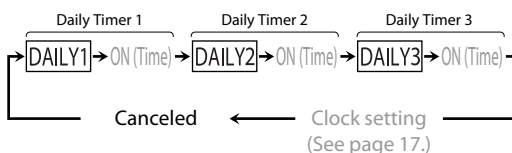
2 **Activate the selected Timer.**

Ex.: When Daily Timer 1 (DAILY 1) is activated

3 **Wait until the indication disappears.**

Setup Menu Operations INFO

Remote control

ENTER/SET

SET UP

◄, ►, ▲, ▼

JVC

Initial Settings

Remote ONLY »
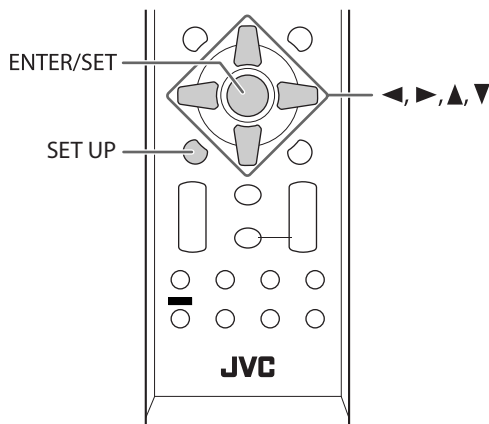
You can change the settings of the System.
- The Setup Menu can be used only when "DVD/CD" or "USB MEM' is selected as the source.

1 **Press SET UP while playback is stopped.**

LANGUAGE	
MENU LANGUAGE	ENGLISH
AUDIO LANGUAGE	ENGLISH
SUBTITLE	OFF
ON SCREEN LANGUAGE	ENGLISH
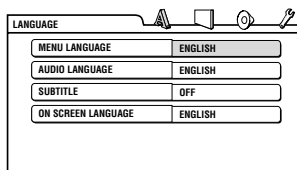
2 **Press ► (or ◄)to select the menu.**

3 **Press ▼ (or ▲) to move to select the item.**

4 **Press ENTER/SET.**

5 **Press ▼ (or ▲) to select the options, then press ENTER/SET.**

To remove a preference display
Press SET UP.

Menu	Item	Contents
LANGUAGE	**MENU LANGUAGE**	You can select the initial menu language for DivX files/DVD Video. (See page 43.)
	AUDIO LANGUAGE	You can select the initial audio language for DivX files/DVD Video. (See page 43.)
	SUBTITLE	You can select the initial subtitle language for DivX files/DVD Video. (See page 43.)
	ON SCREEN LANGUAGE	You can select "**ENGLISH**," "**CHINESE**" or "**SPANISH**" as the on-screen language.
PICTURE	**MONITOR TYPE** 16:9 4:3 LB 4:3 PS	You can select the monitor type to match your TV when you play back picture recorded for wide-screen televisions. **16:9 NORMAL/16:9 MULTI NORMAL** (Wide-screen television): Select this when the aspect ratio of your wide-screen TV is fixed to 16:9. **16:9 AUTO/16:9 MULTI AUTO** (Wide-screen television): Select this when your TV is an ordinary wide-screen TV. **4:3 LB/4:3 MULTI LB** (Letter Box conversion): For a conventional (4:3) TV. Displays a wide-screen picture to fit the width of the TV screen keeping the aspect ratio. **4:3 PS/4:3 MULTI PS** (Pan Scan conversion): For a conventional (4:3) TV. The picture is zoomed in to fill the screen vertically and the left and right sides of the picture are cut off.

Menu	Item	Contents
PICTURE	**PICTURE SOURCE**	You can obtain optimal picture quality by selecting the source type of the video source. **AUTO**: Normally, select this option. The System recognizes the picture type (film or video source) of the current picture according to its information. **FILM**: For a film source picture. **VIDEO**: For a video source picture.
	SCREEN SAVER	You can set the screen saver function (**ON** or **OFF**). If no operation is done for about 5 minutes, the TV screen dims.
	FILE TYPE	You can select the file type to play. **AUDIO**: To play MP3/WMA/WAV files. **STILL PICTURE**: To play JPEG files. **VIDEO**: To play MPEG-1/MPEG-2/DivX files.
AUDIO	**DIGITAL AUDIO OUTPUT**	Set this item correctly when using the OPTICAL DIGITAL OUT terminal on the rear. **PCM ONLY**: When connecting to audio equipment which is compatible with only linear PCM signals. **DOLBY DIGITAL/PCM**: When connecting to a Dolby Digital decoder or an amplifier with a built-in Dolby Digital decoder. **STREAM/PCM**: When connecting to a DTS decoder or an amplifier with a built-in DTS decoder.
	DOWN MIX	This setting is effective for digital audio output if "**DIGITAL AUDIO OUTPUT**" is set to "**PCM ONLY**." **DOLBY SURROUND**: Select this when connecting to a surround decoder. **STEREO**: Select this when connecting to a stereo receiver, MD player, etc.
	D. RANGE COMPRESSION	You can enjoy powerful audio even at a low volume level while playing Dolby Digital software. **AUTO**: Select to apply the effect to multi-channel encoded software. **ON**: Select to always use this function.
OTHERS	**RESUME**	You can select Resume. **ON**: The System resumes playback from the position where playback has been stopped. **OFF**: Resume is deactivated.
	ON SCREEN GUIDE	Activate (**ON**) or deactivate (**OFF**) the on-screen guide (see page 11).
	DivX REGISTRATION	The System has its own Registration Code. If necessary, you can confirm it. Once you have played back a DivX file in which the Registration Code is recorded, the System's Registration Code is overwritten for copyright protection.

Additional Information

Learning More about This System

■ Connections (see pages 4 to 6)

- Make sure the antenna conductors do not touch any other terminals, connecting cords or the power cord. Also, keep the antennas away from metallic parts of the System, connecting cords, and the power cord. These could cause poor reception.
- Use only speakers with the same speaker impedance as indicated by the speaker terminals on the rear of the System.
- The speakers are magnetically shielded to avoid color distortions on TVs. However, if not installed properly, it may cause color distortions. So, pay attention to the following when installing the speakers.
  - When placing the speakers near a TV set, turn off the TV's main power switch or unplug it before installing the speakers.
    Then wait at least 30 minutes before turning on the TV's main power switch again.
  - Some TVs may still be affected even though you have followed the above instructions. If this happens, move the speakers away from the TV.

■ Daily Operations—Playback (see pages 8 to 12)

Listening to the Radio:

- If you store a new station into an occupied preset number, the previously stored station in that number will be erased.
- When you unplug the power cord or if a power failure occurs, the preset stations will be erased in a few days. If this happens, preset the stations again.

Playing Back a Disc/USB Mass Storage Class Device:

> **JVC bears no responsibility for any loss of data in the USB mass storage class device while using this System.**

- When you change the source to "DVD/CD" or "USB MEM," it may take a while to activate the source.
- While the System is reading a disc, the source may not change to "USB MEM" properly. In this case, press ■, then reselect "USB MEM" as the source.
- On some discs, the actual operations may be different from what is explained in this manual due to the programming and disc structure; such differences are not a malfunction of this System.
- The System recognizes up to 150 tracks (files) per group, and 99 groups per disc/USB mass storage class device. The total number of tracks (files) that the System can detect is 4 000.
  - If there are any unplayable files in a folder, those files are also counted in the total file number.
  - Playable files which do not belong to any groups are handled as GROUP 1.

- For playback of files in the USB mass storage class device...
  - When connecting a USB mass storage class device, refer also to its manual.
  - Connect one USB mass storage class device to the System at a time. Do not use a USB hub.
  - You cannot charge any USB mass storage class device through the USB memory terminal (•←→).
  - While playing back a file in a USB mass storage class device, do not disconnect the device. It may cause malfunction on both the System and the device.
  - This System is compatible with USB 2.0 Full Speed.
  - You cannot play back a file larger than 2 Gigabytes.
  - When playing a file of a large transfer rate, frames or sounds may be dropped during playback.
  - This System cannot recognize a USB mass storage class device whose rating is other than 5 V and exceeds 500 mA.
  - This System may not play back some USB mass storage class devices and does not support DRM (Digital Rights Management).
  - It will take some time to start up a digital audio player whose contents are larger than 1 Gigabyte.
- For DVD-VR playback...
  - This System can play only a disc of UDF-Bridge format.
  - For details about DVD-VR format and Play List, refer to the manual of the recording equipment.
- For MP3/WMA/WAV playback...
  - MP3/WMA/WAV discs require a longer readout time than regular CDs. (It depends on the complexity of the group/file configuration.)
  - Some MP3/WMA/WAV files cannot be played back and will be skipped. This results from their recording processes and conditions.
  - This System can play only a disc of ISO 9660 Level 1 or Level 2.
  - This System can play back MP3/WMA/WAV files with the extension code <.mp3>, <.wma>, or <.wav> (regardless of the letter case—upper/lower).
  - It is recommended that you make each MP3/WMA/WAV files as following conditions:
    - For MP3/WMA files: At a sample rate of 44.1 kHz and at a data transfer rate of 128 kbps. This System cannot play back files made at a bit rate of less than 64 kbps.
    - For WAV files: At a sample rate of 44.1 kHz and at a quantization rate of 16 bit Linear PCM.

- For JPEG files playback...
  – It is recommended that you record a file at 640 x 480 resolution. (If a file has been recorded at a resolution of more than 640 x 480, it will take a long time to be shown.)
  – This System can play back JPEG files with the extension code <.jpg> or <.jpeg> (regardless of the letter case—upper/lower).
  – This System may not play back JPEG files properly if they are recorded from a device other than a digital camera.
- For MPEG-1/MPEG-2 playback...
  – This System can play back MPEG-1/MPEG-2 files with the extension code <.mpg>, <.mpeg>, or <.mod>*.
    * *<.mod> is an extension code used for the MPEG-2 files recorded by JVC Everio camcorders. The MPEG-2 files with the <.mod> extension code cannot be played back if HD format is used or its maximum bit rate is more than 2 Mbps.*
  – The stream format should conform to MPEG system/program stream.
  – 720 x 576 pixels (25 fps) / 720 x 480 pixels (30 fps) is recommended for the highest resolution.
  – This System also supports the resolutions of 352 x 576 / 480 x 576 / 352 x 288 pixels (25 fps) and 352 x 480 / 480 x 480 / 352 x 240 pixels (30 fps).
  – The file format should be MP@ML (Main Profile at Main Level)/SP@ML (Simple profile at Main Level)/MP@LL (Main Profile at Low Level).
  – Audio streams should conform to MPEG1 Audio Layer-2 or MPEG2 Audio Layer-2.
- For DivX playback...
  – This System can play only a disc of UDF-Bridge format. "Multi-border" is not supported.
  – The System supports all versions of DivX® video (including DivX® 6).
  – The System supports DivX files whose resolution is 720 x 480 pixels or less (30 fps), and 720 x 576 pixels or less (25 fps).
  – Audio stream should conform to Dolby Digital, MPEG1 Audio Layer-2 or MPEG Audio Layer-3 (MP3).
  – This System can play back DivX files with the extension code <.divx> <.div> <.avi> (regardless of letter case—upper/lower).
  – The System does not support GMC (Global Motion Compression).
  – The file encoded in the interlaced scanning mode may not be played back correctly.

■ Daily Operations—Sound & Other Adjustments (see pages 13 to 18)

Adjusting the Sound:
- This function also affects the sound through the headphones.
- MY SOUND setup is prohibited for certain file format.

Changing the Scanning Mode:
- If you play back an NTSC disc/file with the color system set to "PAL (PRG)," the disc/file will be reproduced using "PAL 60" format; however, if the TV does not support this format, the screen may not display properly.
- If you play back a PAL disc/file with the color system set to "NTSC (PRG)," you can watch the playback pictures, but the following symptoms may occur:
  – The items on the menu will be blurred, and be shown slightly shifted when highlighted.
  – The aspect ratio of the picture may differ from the original aspect ratio.
  – The picture movement is not smooth.
- You cannot change the scanning mode to progressive in the following cases:
  – When your TV does not support the progressive video input.
  – When you have not connected your TV to the unit using a component video cord.
- When you play back an NTSC disc/file in progressive scanning mode either NTSC PRG or PAL PRG, the System outputs the NTSC signal regardless of the color system settings.

Setting the Clock:
- "0:00" will flash on the display until you set the clock.
- The clock may gain or lose 1 to 2 minutes per month. If this happens, reset the clock.

■ Unique Video Disc/File Operations (see pages 19 to 21)

Selecting the Audio Track:
- On some discs/files, you cannot change audio language during playback.

Special Effect Playback:
- During slow-motion playback, no sound will be emitted.
- While zoomed in, the picture may look coarse.

■ Advanced Playback Operations (see pages 22 to 24)

Programming the Playing Order—Program Play:
- While programming steps...
  Your entry will be ignored if you have tried to program an item number that does not exist (for example, selecting track 14 on a disc that only has 12 tracks).

Playing Repeatedly:
- A-B Repeat is available only within the same title/program/track.

■ Recording and Editing Operations (see pages 25 to 28)

- Do not vibrate the System while recording/editing tracks. Take care especially while "WAIT" is shown on the display. It may damage the recorded tracks in the System.

Giving (Editing) Titles to Tracks or Groups:

- When a track is recorded, the track title is given to the track automatically. When you give a title to the track, delete that title first, then enter your desired title.

■ On-Screen Operations (see pages 29 to 33)

On-screen Bar Operations:

- For DVD-VR, "PG" or "PL" appears instead of "TITLE" on the on-screen bar.

■ Daily Timer Operations (see pages 34 and 35)

Setting the Daily Timer:

- If you do not specify the preset station or track number correctly while setting a timer, the currently selected station or the first track will be played when the timer is activated.
- When you unplug the power cord or if a power failure occurs, the timer will be canceled. You need to set the clock first, then the timer again.
- If you set DVD Video as the source, Daily Timer will not work correctly.
- If you set the Sleep Timer after Daily Timer starts playing the selected source, Daily Timer is canceled.

■ Setup Menu Operations (see pages 36 and 37)

General:

- If the upper and lower parts of the menu are cut off, adjust the picture size control of the TV.

LANGUAGE menu:

- When the language you have selected for "MENU LANGUAGE," "AUDIO LANGUAGE," or "SUBTITLE" is not recorded, the original language is used as the initial language.

PICTURE menu—MONITOR TYPE:

- Even if "4:3 PS/4:3 MULTI PS" is selected, the screen size may become 4:3 letter box while playing a disc/file. This depends on how the discs are recorded.
- When you select "16:9 NORMAL/16:9 MULTI NORMAL" or "16:9 AUTO/16:9 MULTI AUTO" for a picture whose aspect ratio is 4:3, the picture changes slightly due to the process of converting the picture width.

OTHERS menu—ON SCREEN GUIDE:

- The setup menu and on-screen bar will be displayed (and recorded) even if this function is set to "OFF."
  Subtitles and the information for zoom-in always appear on the display regardless of this setting.

Maintenance

To get the best performance of the System, keep your discs and mechanism clean.

■ Handling Discs

- Remove the disc from its case by holding it at the edge while pressing the center hole lightly.
- Do not touch the shiny surface of the disc, or bend the disc.
- Put the disc back in its case after use to prevent warping.
- Be careful not to scratch the surface of the disc when placing it back in its case.
- Avoid exposure to direct sunlight, extreme temperature, and moisture.

To clean the disc:

Wipe the disc with a soft cloth in a straight line from center to edge.

■ Cleaning the System

- Stains should be wiped off with a soft cloth. If the System is heavily stained, wipe it with a cloth soaked in water-diluted neutral detergent and wrung well, then wipe clean with a dry cloth.
- Since the System may deteriorate in quality, become damaged or get its paint peeled off, be careful about the following:
  – DO NOT wipe it with a hard cloth.
  – DO NOT wipe it forcefully.
  – DO NOT wipe it with thinner or benzine.
  – DO NOT apply any volatile substance such as insecticides to it.
  – DO NOT allow any rubber or plastic to remain in contact for a long time.

To remove the speaker grilles

Holes   Projection

Speaker grille
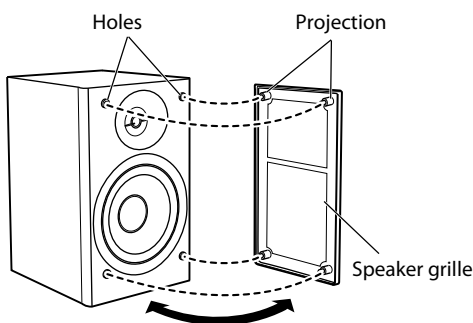
Troubleshooting ▬▬▬▬▬

■ General

Adjustments or settings are suddenly canceled before you finish.
⇨ There is a time limit. Repeat procedure again.

Operations are disabled.
⇨ The built-in microprocessor may malfunction due to external electrical interference. Unplug the power cord and then plug it back in.

Unable to operate the System from the remote control.
⇨ The path between the remote control and the remote sensor on the System is blocked.
⇨ The batteries are exhausted.

No sound is heard.
⇨ Speaker connections are incorrect or loose.
⇨ Headphones are connected.

No picture appears on the TV screen.
⇨ The video cord connections are incorrect or loose.

No picture is displayed on the TV screen, the picture is blurred, or the picture is divided into two parts.
⇨ The System is connected to a TV which does not support progressive video input.
⇨ Incorrect scanning mode is selected (see page 16).

The left and right edges of the picture are missing on the screen.
⇨ Select "4:3 LB/4:3 MULTI LB" for "MONITOR TYPE" (see page 36).

■ Radio Operations

Hard to hear broadcasts because of noise.
⇨ Antenna connections are incorrect or loose.
⇨ The AM loop antenna is too close to the System.
⇨ The FM antenna is not properly extended and positioned.

■ Disc/USB mass storage class device Playback Operations

The disc does not play.
⇨ You have inserted a disc whose Region Code is not "2." ("RG ERROR" appears on the display.)
⇨ The disc is placed upside down. Place the disc with the label side facing up.

ID3 Tag on an MP3 file cannot be shown.
⇨ There are two types of ID3 Tag—Version 1 and Version 2. This System can only show ID3 Tag Version 1.

Groups and tracks are not played back as you expect.
⇨ The playing order is determined when the groups and tracks were recorded. It depends on the writing application.

MP3, WMA, WAV, JPEG, MPEG-1, MPEG-2 or DivX files are not played back.
⇨ The disc or the USB mass storage class device may contain different types of files (ex. MP3/WMA/WAV/ JPEG). In this case, you can only play back the files selected by pressing FILE TYPE (while holding SHIFT) (see page 37).
⇨ You have changed the "FILE TYPE" setting after the System read the disc or the USB mass storage class device. In this case, reload the disc or disconnect the USB mass storage class device and connect it again.

The disc sound is discontinuous.
⇨ The disc is scratched or dirty.

No subtitle appears on the display though you have selected the initial subtitle language.
⇨ Some DVDs/DivX files are programmed not to display any subtitle initially. If this happens, press SUBTITLE (while holding SHIFT) after starting play back (see page 20).

Audio language is different from the one you have selected as the initial audio language.
⇨ Some DVDs/DivX files are programmed to always use the original language initially. If this happens, press AUDIO/MPX (while holding SHIFT) after starting playback (see page 19).

The disc tray does not open or close.
⇨ The power cord is not plugged in.
⇨ Child Lock is in use. "LOCKED" appears in the display (see page 24).

■ Recording and Editing Operations

Unable to record into the USB device.
⇨ The capacity of the USB device is full. Erase some tracks.
⇨ There have been 999 tracks or groups on the USB device you want to record into. Erase unwanted tracks.
⇨ The USB device is write-protected.
⇨ The USB device you connected is incompatible to this System.

Unable to assign titles to tracks on the USB device.
⇨ When a track is damaged, you cannot edit that track. In this case, turn off the System and turn on again.
⇨ The USB device is write-protected.

■ Timer Operations

Daily Timer does not work.
⇨ The System has been turned on when the on-time came. Timer starts working only when the System is turned off.

Daily Timer does not start playback.
⇨ The loaded disc is a DVD Video. Change the disc.

Display Messages for Recording or Editing Operations

NODEVICE
- No USB device is connected or the connected USB device is not compatible with this System.

PROHIBIT
- The USB device is prohibited from editing file/group.

D. (data) FULL
- The capacity of memory for USB device is full.

FILEFULL
- The USB memory has exceeded the maximum number of files it can support.

W. (write) PROT
- The USB device is write-protected.

SCMS VLT (violation)
- You have tried to copy from a duplicated disc to the USB device.

DUPLI
- The same title has been recorded.

NO NAME
- No name is entered (blank) when editing the file/group name.

D. (device) FAIL
- The unit failed to read the USB device.

Language Code List

AA	Afar	GD	Scots Gaelic	MI	Maori	SN	Shona
AB	Abkhazian	GL	Galician	MK	Macedonian	SO	Somali
AF	Afrikaans	GN	Guarani	ML	Malayalam	SQ	Albanian
AM	Ameharic	GU	Gujarati	MN	Mongolian	SR	Serbian
AR	Arabic	HA	Hausa	MO	Moldavian	SS	Siswati
AS	Assamese	HI	Hindi	MR	Marathi	ST	Sesotho
AY	Aymara	HR	Croatian	MS	Malay (MAY)	SU	Sundanese
AZ	Azerbaijani	HY	Armenian	MT	Maltese	SV	Swedish
BA	Bashkir	IA	Interlingua	MY	Burmese	SW	Swahili
BE	Byelorussian	IE	Interlingue	NA	Nauru	TA	Tamil
BG	Bulgarian	IK	Inupiak	NE	Nepali	TE	Telugu
BH	Bihari	IN	Indonesian	NL	Dutch	TG	Tajik
BI	Bislama	IS	Icelandic	NO	Norwegian	TH	Thai
BN	Bengali, Bangla	IW	Hebrew	OC	Occitan	TI	Tigrinya
BO	Tibetan	JI	Yiddish	OM	(Afan) Oromo	TK	Turkmen
BR	Breton	JW	Javanese	OR	Oriya	TL	Tagalog
CA	Catalan	KA	Georgian	PA	Panjabi	TN	Setswana
CO	Corsican	KK	Kazakh	PS	Pashto, Pushto	TO	Tonga
CY	Welsh	KL	Greenlandic	PT	Portuguese	TR	Turkish
DA	Danish	KM	Cambodian	QU	Quechua	TS	Tsonga
DZ	Bhutani	KN	Kannada	RM	Rhaeto-Romance	TT	Tatar
EL	Greek	KO	Korean (KOR)	RN	Kirundi	TW	Twi
EO	Esperanto	KS	Kashmiri	RO	Rumanian	UK	Ukrainian
ET	Estonian	KU	Kurdish	RW	Kinyarwanda	UR	Urdu
EU	Basque	KY	Kirghiz	SA	Sanskrit	UZ	Uzbek
FA	Persian	LA	Latin	SD	Sindhi	VI	Vietnamese
FI	Finnish	LN	Lingala	SG	Sangho	VO	Volapuk
FJ	Fiji	LO	Laothian	SH	Serbo-Croatian	WO	Wolof
FO	Faroese	LT	Lithuanian	SI	Singhalese	XH	Xhosa
FY	Frisian	LV	Latvian, Lettish	SL	Slovenian	YO	Yoruba
GA	Irish	MG	Malagasy	SM	Samoan	ZU	Zulu

Optical Digital Out Signals

DIGITAL AUDIO OUTPUT / Playback disc/file		STREAM/PCM	DOLBY DIGITAL/PCM	PCM ONLY
DVD Video	with 48 kHz, 16/20/24 bit Linear PCM	48 kHz, 16 bit Linear PCM*		
	with 96 kHz, Linear PCM	48 kHz, 16 bit Linear PCM		
	with Dolby Digital	Dolby Digital bitstream		48 kHz, 16 bit Linear PCM
	with DTS	DTS bitstream	48 kHz, 16 bit Linear PCM	
DVD-R/-RW in DVD-VR format	with 48 kHz, 16/20/24 bit Linear PCM	48 kHz, 16 bit Linear PCM*		
	with Dolby Digital	Dolby Digital bitstream		48 kHz, 16 bit Linear PCM
SVCD/VCD/CD		44.1 kHz, 16 bit Linear PCM/48 kHz, 16 bit Linear PCM		
CD with DTS		DTS bitstream	44.1 kHz, 16 bit Linear PCM	
MP3/WMA/WAV/MPEG-1/MPEG-2		32/44.1/48 kHz, 16 bit Linear PCM		
DivX	with MP2, MP3	32/44.1/48 kHz, 16 bit Linear PCM		
	with Dolby Digital	Dolby Digital bitstream		32/44.1/48 kHz, 16 bit Linear PCM

* *While playing some DVDs, digital signals may be emitted at 20 bits or 24 bits (at their original bit rate) through the OPTICAL DIGITAL OUT terminal if the discs are not copy-protected.*

Operating JVC's TVs Using the Remote Control
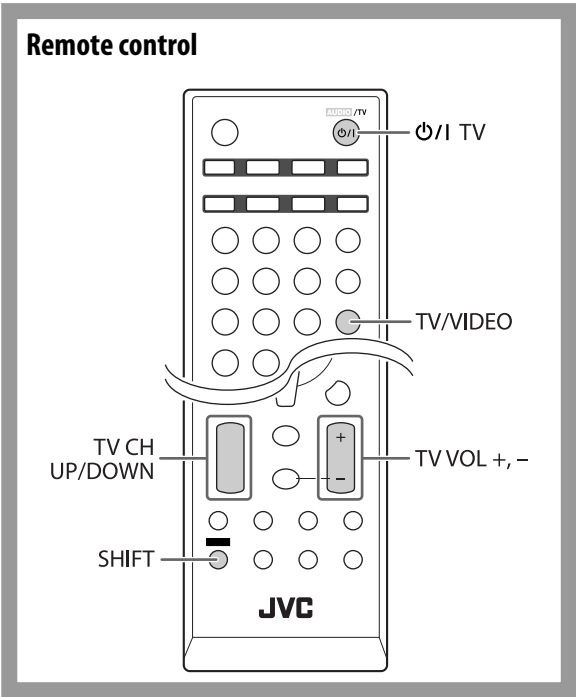
Remote control

You can use the remote control to operate JVC's TVs.

TV/VIDEO	Change the input mode.
TV CH UP, DOWN	Change the channel.

While holding SHIFT, press...

Ꮺ/Ӏ **TV**	Turn on/off TV
TV VOL +, –	Adjust the TV volume.

Specifications

Amplifier section—CA-UXG500V

Output power: 60 W (30 W + 30 W) at 4 Ω (10% THD)
Audio input: AUDIO IN: Stereo min. (∅ 3.5 mm)
                  500 mV/50 kΩ (at "IN_LVL1")
                  250 mV/50 kΩ (at "IN_LVL2")
                  125 mV/50 kΩ (at "IN_LVL3")
Audio output: SUBWOOFER OUT: 500 mV/10 kΩ
Digital output: OPTICAL DIGITAL OUT:
                  –21 dBm to –15 dBm (660 nm ±30 nm)
Digital input: USB MEMORY
Video out:
    Color system: NTSC/PAL (interlaced/progressive)
    Composite video: 1 V(p-p)/75 Ω
    S-VIDEO: Y (luminance)   1 V(p-p)/75 Ω
              C (chrominance, burst)
              PAL   0.3 V(p-p)/75 Ω
              NTSC   0.286 V(p-p)/75 Ω
    VIDEO OUT (COMPONENT): (Y)   1 V(p-p)/75 Ω
                          (PB/PR)   0.7 V(p-p)/75 Ω
Speaker impedance: 4 Ω – 16 Ω

Tuner section

FM tuning range: 87.50 MHz – 108.00 MHz
AM (MW) tuning range:
    For Saudi Arabia:
              531 kHz – 1 602 kHz (at 9 kHz intervals)
              530 kHz – 1 600 kHz (at 10 kHz intervals)
    For other countries:
              531 kHz – 1 710 kHz (at 9 kHz intervals)
              530 kHz – 1 710 kHz (at 10 kHz intervals)

Disc player section

Region codes: • Middle East: 2
              • South East Asia, Hong Kong region: 3
              • Central and South America, Australia: 4
Playable disc: • DVD Video/CD/VCD/SVCD
               • CD-R/CD-RW (CD/SVCD/VCD/MP3/
                 WMA/WAV/JPEG/MPEG-1/MPEG-2/
                 DivX format)
               • DVD-R/-RW (DVD-VR/DVD Video/
                 MP3/WMA/WAV/JPEG/MPEG-1/
                 MPEG-2/DivX format)
               • +R/+RW (DVD Video/MP3/WMA/
                 WAV/JPEG/MPEG-1/MPEG-2/DivX
                 format)
Dynamic range: 80 dB
Horizontal resolution: 500 lines
Wow and flutter: Immeasurable

USB section

Playable files: MP3/WMA/WAV/JPEG/MPEG-1/
                      MPEG-2/DivX format
USB specification: Compatible with USB 2.0 Full Speed
Compatible device: Mass storage class
Compatible system: FAT16, FAT32
Bus power supply: DC 5 V ⎓ 500 mA

General

Power requirements: AC 110 V – 240 V ∿, 50/60 Hz
    For Australia: AC 240 V ∿, 50 Hz
    For Hong Kong region
    and Thailand: AC 220 V ∿, 50 Hz
Power consumption: 35 W (at operation)
                              8 W (at standby)
                              1 W or less (at ECO mode)
Dimensions (approx.):   175 mm × 251 mm × 247 mm
                                        (W/H/D)
Mass (approx.):   2.6 kg

Speakers—SP-UXG500V

Speaker units: Tweeter: 1.5 cm dome x 1
               Woofer: 10 cm cone x 1
Impedance: 4 Ω
Dimensions (approx.):   160 mm × 250 mm × 169 mm
                                        (W/H/D)
Mass (approx.):   1.8 kg each

Supplied Accessories

See page 4.

*Design and specifications are subject to change without notice.*

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Remote control
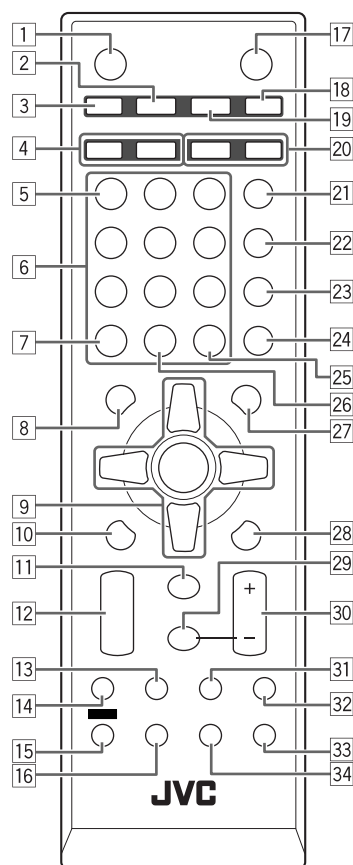
This remote control can also operate JVC's TVs (see page 44).

Main unit

JVC